

# QCWA NEWS

QCWA, Inc.

1409 Cooper Drive  
IRVING, TX 75061



Volume 31, No 3, FALL, 1982

ADDRESS CORRECTION REQUESTED



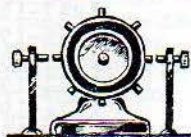
## QCWA INTERNATIONAL ON THE AIR MEETINGS

Sundays, 2000 UTC  
14346 kHz

Net Control, W6FQ

WEDNESDAYS, 8:00 PM ET  
7035 kHz

Net Controls, W2JBL/W9CV



## BARRY GOLDWATER K7UGA

IN UNANIMOUS DECISION, QCWA BOARD MEMBERS ELECTED BARRY GOLDWATER, K7UGA, TO THE HALL OF FAME, IN RECOGNITION OF HIS LIFE-LONG CONTRIBUTIONS TO ADVANCEMENT OF THE ART OF COMMUNICATIONS



# QCWA NEWS

JOURNAL OF THE QUARTER CENTURY WIRELESS ASSOCIATION

Volume 31, No. 3

Fall, 1982

## QUARTER CENTURY WIRELESS ASSOCIATION

### OFFICERS 1981-1983

Stuart Meyer,	W2GHK	President
Leland Smith,	W5KL	Vice President
Max Arnold,	W4WHN	Secretary
Wes Randles,	W4COW	Treasurer

### DIRECTORS

Harry S. Gartsman,	W6ATC
Ronald Hesler,	VE1SH
Wade Holland,	W4AZT
Gerhard Jacoby,	DL3ME
Leo Meyerson,	WØGFQ
Ethel Smith,	K4LMB

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### QCWA STAFF

Ted Heithecker	W5EJ	General Manager
Rollie Terrill	W5RC	Assistant General Manager
Jack M. Seidel	N4AQU	Activities Manager
J. R. Neelands	W6DLL	Books and Publications
Nadine Wells	W5ZUT	Office Secretary
Lee Knirko	W9MOL	Advertising Manager
Cindy Jones	W5ZPD	YL's Viewpoints
Clarence King, Jr.	W6HPW	Life Membership Records
Patrick Kelly	W4AGJ	Art Editor
T. E. Heithecker	xWN5UVZ	Computer Consultant

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## PRESIDENT'S MESSAGE

The 1982 Nashville QCWA Convention has just been completed...the third meeting of the entire Board during 1982. Judging by the work accomplished by the Board, it was an outstanding success. While attendance was lower than expected, the meeting was a huge success. The heavy increases in air-travel expenses was deemed the probable cause of the fairly light turnout.

Among other matters, the Board took up the matter of naming Max Arnold, W4WHN, Secretary of QCWA for the unexpired term of Hugh Turnbull, W3ABC.. Gerhard Jacoby, DL3ME and Wade Holland, W4AZT, were named to fill unexpired terms of Directors who have resigned their posts.

The QCWA Nominating Committee has about completed its work of gathering a slate of candidates for the 1983 election of Officers and Directors. In the Summer of 1983, the entire QCWA administrative Board will be elected. Nominations by members by petition will be sought.

In other actions, the Board adopted a proposal to provide minimal service to our International members who, up to this time, have had little in the way of membership service. The QCWA Dues structure has been updated. Our efforts to work with the Federal Communications Commission on behalf of Amateur Radio and QCWA continue.

The Scholarship Fund is growing and with the fine gift made by Nebraska Chapter, has the potential of exceeding the \$25,000 goal by years end.

### QCWA HONOR AWARDS

#### QCWA MEMBER OF THE YEAR

1979	Mr. Ed Trombley, W8CAM
	Mr. M. W. McRae, W9RC
1980	Mr. Lew Sieck, K4NE
1981	Mr. Herb Gleed, W6FQ

#### QCWA HALL OF FAME

1979	Mr. Ray Meyers, W6MLZ
1980	Mr. Bill Halligan, W9AC
1981	Mr. Barry Goldwater, K7UGA

#### QCWA ROLL OF HONOR

1980	Mr. John DiBlasi, W2FX
	Mr. Gus Girona, W2JE

### PAST PRESIDENTS

John DiBlasi, W2FX*	1947-1964
Earl R. Thomas, W2MM*	1965-1968
Clarence Seid, W2KW	1969-1971
Barry Goldwater, K7UGA	1972-1973
Frank A. Gunther, W2ALS	1974-1977
Harry S. Gartsman, W6ATC	1978-1981

### EXECUTIVE SECRETARY/GENERAL MANAGERS

Ralph G. Barber, W2ZM*	1955-1964
Gus Girona, W2JE	1965-1973
Ethel Smith, K4LMB	1974-1976

### HONORARY MEMBERS

George E. Sterling	Peaks Island, Maine
Richard E. Wiley	Arlington, Virginia
Rosel H. Hyde	Washington, D. C.
Col. W. J. Baird	Alexandria, Virginia
Robert E. Lee	Washington, D. C.



## EDITOR'S CORNER

QCWA, Inc.



## DEADLINE DATES FOR QCWA NEWS

FEBRUARY ISSUE	January 5
MAY ISSUE	March 10
AUGUST ISSUE	July 10
OCTOBER ISSUE	September 10

## MEMBERSHIP INFORMATION

## QCWA MEMBERSHIP DUES SCHEDULE:

New Life Membership	\$78.00*
New Regular Membership, 1 Year	\$12.00*
New Regular Membership, 2 Years	\$18.00*
New Regular Membership, 3 Years	\$22.00*

\*Includes non-recurring \$3.00 entry fee.

Renewal Regular Membership, 1 Year	\$9.00
Renewal Regular Membership, 2 Years	\$15.00
Renewal Regular Membership, 3 Years	\$19.00

International Membership, New Member	\$13.00*
International Membership renewal, 3 Years	\$10.00

Note: International Memberships issued for 3 years only and do not include QCWA Publications.

## EDITORS CORRECTIONS

The call-letters of Dave Kennedy, N4SU, were inadvertently printed incorrectly in the Spring QCWA NEWS account of those taking part in the QSO PARTY. Dave's call is N4SU, not K4SU, as listed.

Our Apologies go to Tex Sloat, W7AHK, whose participation in the 1982 QSO PARTY was incorrectly shown under the call of W2AHK.

We neglected to say Bill Biddle's gift to the memorial fund was made in memory of Tom McCann, K8CM.

## QCWA OFFICE SCHEDULE

JANUARY	JULY
Jan 1, All candidate nominations at HQ for FEB QCWA NEWS	July 10, Deadline material for QCWA NEWS
Jan 5, Deadline material for QCWA NEWS	AUGUST
Jan 25, Feb News to PTR	Aug 1, Election polls closed
<u>FEBRUARY</u>	Aug 5, Tellers report to GM and President
Feb 15, Publish QCWA NEWS	Aug 15, GM notifies candidates by telephone
<u>MARCH</u>	Aug 15, Aug. News to PTR
Mar 1, Determine eligibility of all candidates	SEPTEMBER
Mar 5, All candidate bio-material at HQ	Sep 10, Deadline material for QCWA NEWS
Mar 10, Deadline material for QCWA NEWS	OCTOBER
<u>APRIL</u>	Oct 1, Report Nom, Comm. to President & GM
Apr 20, May news to PTR inc Cand. material and ballot	Oct 10, Nov News to PTR
<u>MAY</u>	Oct 30, Call for Membership nom. petitions--QSO PTY rules
May 10, Publish QCWA NEWS*	Publish QCWA NEWS
<u>JUNE</u>	NOVEMBER
	DECEMBER
	Dec 31, Membership petition deadline

\*Absolute deadline for publication is May 15. All other dates are tentative and subject to minor variations.

## OFFICERS &amp; DIRECTORS OF QCWA

Stuart Meyer, W2GHK, President 2417 Newton Street, Vienna, VA 22180	703 281 3806
Leland Smith, W5KL, Vice President Route 3, Box 38-B, Jasper, AR 72641	501 428 5967
Max Arnold, W4WHN, Secretary 129 Page Road, Nashville, TN 37205	615 352 1358
Wes Randles, W4COW, Treasurer 6002 North Fremont Ave., Tampa, FL 33604	813 870 0867
Harry S. Gartsman, W6ATC, Director 9921 Sunset Blvd, Beverly Hills, CA 90210	213 276 5934
Ronald Hesler, VE1SH, Director P. O. Box 418, Sackville, NB E0A 3C0, Canada	506 536 1208
Wade Holland, W4AZT, Director P. O. Box 116, Greenville, SC 29602	803 233 8551
Gerhard Jacoby, DL3ME, Director Widdersberger Str 40 D-8131 Andechs, FRG	
Leo Meyerson, W0GFQ, Director 3415 West Broadway, Council Bluffs, IA 51520	712 328 1851
Ethel Smith, K4LMB, Director 2012 Rockingham Street, McLean, VA 22101	703 536 8469

For the purpose of just plain QCWA chatting, getting QCWA WAS-50 Certificates, Chapter Certificates, worked 100 or 500 members Certificates plus whatever other purpose all QCWA members should monitor the following frequencies:

Band	SSB Frequency	CW Frequency
10 mtrs	28600 - 28610	28040 - 28050
15	21350 - 21360	21040 - 21050
20	14280 - 14290	14030 - 14040
40	7230 - 7240	7030 - 7040
80	3900 - 3910	3530 - 3540

Members using these frequencies should call CQ QCWA--- and exercise usual ham courtesy - if the bottom frequency is busy go UP a few KC to a clear frequency. Always monitor the bottom frequency first. When signing your call add the QCWA so that a listener will know who you are and perhaps break-in for a good old roundtable QSO! If a non-member should answer, greet him and explain what QCWA is...after all, he may become a member after he finds out what a fine bunch of fellows we are...we're a bunch of old-timers and there is no reason to prove we got nasty in the process!

Watch the WINTER QCWA NEWS for announcement of the 1983 QSO PARTY rules.

----- Jack, N4AQU -----

## NEW CHAPTERS CHARTERED!

On September 30, 1982, Charter #140, was issued to Wyoming Chapter. Officers Pro Tem are:

John J. Hayes, W7CGK, President  
J. S. Anderson, W7TVK, Secretary

On October 1, 1982, Charter # 141, was issued to Hi-Plains Chapter. Officers Pro Tem are:

Bud Tamm, W4YID, President  
Sherman L. McKean, W5MVJ, Secretary.

Our congratulations to these New Chapters, both of which were chartered with 25 or more members. Watch for them on the air!

## PLEASE NOTE:

When sending money, checks or an order for supplies to HQ, please make certain that your name and call sign are on the check or money order. Sometimes they become separated from your letter, and then we have fits! TNX.



QCWA MEMORIAL FUND NEWS AND COMMENT

The Chapter response to the efforts by Pine Tree Chapter to get some real push into the Memorial Fund drive has been on the increase. Records have been kept of the activity and you can check below to get an idea of what's happening. We've been impressed with the action and now it appears that Pine Tree Chapter has a real bear by the tail, with Nebraska doing its thing (see story below).

Gifts included in the tabulation are in many cases private gifts, but the checks have been marked with the Chapter number and so the gift is credited both to the donor and to the Chapter indicated. It is a nice way to operate and members are encouraged to boost their Chapters contributions by this procedure.

CHAPTER & NUMBER	TOTAL
Chicago Area (2)	75.00
Northwest (4)	10.00
Delaware Valley (5)	25.00
Southern California (7)	126.00
Northern California (11)	45.00
San Diego (14)	525.00
Baltimore (20)	100.00
Washington (23)	100.00
Nebraska (25)	2500.00
Harrisburg (37)	10.00
Dallas (41)	247.79
Wisconsin (55)	100.00
Ark-La-Tex (85)	20.00
Northern Lights (92)	2.00
Treasure State (104)	85.00
Yankee (112)	10.00
Mid-South (113)	50.00
Central Virginia (116)	27.00
Coastal Carolinas (118)	38.00
Piedmont (126)	10.00
Magnolia (133)	100.00
Pine Tree (134)	20.00

John Leeder, W0UFD, of the Nebraska Chapter, made the official presentation of the Chapters gift to the Memorial Fund at Nashville. His thoughts expressed at that time are expressed below:

"By no stretch of the imagination can the Nebraska Chapter (25) be considered a wealthy chapter. We all live in modest homes, drive modest cars or campers and live frugal lives. In starting the drive for the QCWA Memorial Scholarship Fund, we had in mind trying to match the Maine Pine Tree Chapter contribution. With the enthusiasm shown by Leo, W0GFQ, for the Memorial Fund and the inner glow we experienced with our contributions, we surpassed even our fondest expectations. We surprised ourselves and I am sure other Chapters who start a drive will surprise themselves at the amount they will be able to give. The inner glow they will experience will be their reward. We would like to see all Chapters help this worthy cause and make us all proud we are members of QCWA."

- John, W0UFD -

NEBRASKA CHAPTER CONTRIBUTES \$2,500 TO QCWA MEMORIAL FUND....IT'S REAL, IT'S TRUE! NOW, THERE IS A REAL GOAL TO ACHIEVE. WHO'LL BE NEXT?

See Page 76 for the announcement of QCWA Scholarship awards made for 1982. The Foundation for Amateur Radio announcement was made August 24, 1982. Congratulations to the winners, Thanks to F.A.R.

MEMORIAL FUND DONORS AND THOSE HONORED BY GIFTS

June - September, 1982

Michael K. Gauthier, K6ICS	William J. Halligan, W9AC
Jack Davis, W6YOL	Robert F. Sass, W9VQP
A. Lucel, W7JMX	Kenneth W. Rowe, K9PZD
Earle Meade, W7LCM	Phil Haller, W9HPG
Paul R. Hunter, W0PLN	Dallas Chapter
James M. Gates, W7KXH	Carroll Smith, K5DM
Magnolia Chapter	Roy M. Ozawa, W6FOJ
Gordon R. Elliott, W6CIT	Northern California Chapter
E. Steward Naschke, W6DGL	Bill Green, W6BYS
Charles P. Howe, W1BQL	Frederick H. Gildemeyer, W4CW
John B. Curry, K5IMC	Otto F. Dedrick, W6NGK
John H. Dykes, W5RON	Herman Miller, W6WHK
H. E. Dykes, W5HXG	A. E. Tetzel, W5GVZ
Lewis E. Elicker, Jr., W3ADE	Fred K. Hankinson, K5ZBN
Jesse Bieberman, W3KT	Ralph Hasslinger, W2CVF
Dallas Chapter	John DiBlasi & 37 Charter
D. C. McCarty, W5AZC	QCWA Members who are "SK"
Ernie Gaw, W5MXC	M. B. Patterson, W5CI
Gary L. Carlson, NL7Y	Cresson Donbar, K4YL
Herbert J. Gleed, Jr., W6FQ	Treasure State Chapter
Wisconsin Chapter	James McKenna, VE6HO
Viola Grossman, W2JZX	Baltimore Chapter
Samuel J. Grossman, W2JDG	Warren E. Snyder, W6RDL
Washington Chapter	Kenneth Sullivan, W7AGV
Ed Reddington, W4ZM	Charles Newman, W6HXB
Dwight M. Brown, Jr., W5WE	Thomas Sheets, W4GFL
Ernest D. Gaw, W5MXC	L. K. Rush, W4TM
Dayle S. Odell, W5CMV	Joe Fallin, W5SU
Ark-La-Tex Chapter	Allen L. Smith, W4IPP
Ernest D. Gaw, W5MXC	W. F. McCune, W2IRC
Dayle Odell, W5CMV	Richard C. Bechtel, W3CBF
Amateur RC of Shreveport	Jesse Bieberman, W3KT
Dayle Odell, W5CMV	E. H. Taylor, W7NJS
Yankee Chapter	Beatrice Austin, W7HHH
June R. Burkett, W1VXC	Edison P. Bell, W2HYI
Arthur L. Munzig, Jr., W6PYV	Dorothy C. Buonocore
M. C. Zervantian, W6DIS	Catello Buonocore, W2POV
Coastal Carolinas Chapter	Wes Randles, W4COW
Mid-South Chapter	Hal Sears, W5NC
John Polatty, K4GMU	Lynn Hull, W5QWB
Casper L. Wenzler, K4JSF	Dick Spenceley, KV4AA
Joe Fallin, W5SU	Max Arnold, W4WHN
San Diego Chapter	Leland Smith, W5KL
Daniel J. Giro, W1CTR	Nebraska Chapter
Robb Hueston, W1EM	Loyson Troft, K0BRS
Eunice R. Thompson, W1MPP	Don Griffin, W0EWO
Leslie S. Blewett, W7OIO	Arthur Gaeth, W0FOB
John P. Trent, KL7DG	Fran Johnson, W0JDJ
Robert M. Wallace, W5HYK	Leo Weiler, W0LZO
Carroll Smith, K5DM	Tom Neumann, W0NJJ
Naoma S. Martin	Tom Boydson, W0VYX
John Douglas Martin, W5PA	San Diego Chapter
Central Virginia Chapter	
Ray Albert, W4YKU	
Harry E. Welsh, K4MKO	

NEBRASKA CHAPTER HAS SHOWN ALL OF WHAT CAN BE DONE IF THERE IS A WILL. WHY NOT APPOINT A FUND CHAIRMAN FOR YOUR CHAPTER...WORK WITH HIM AND TRY TO BEAT THE NEBRASKA GIFT OF 2,500 DOLLARS...THEY'VE PROVEN IT'S VERY POSSIBLE. WHY NOT TRY TO BEAT THEM AT THE GAME?

Total Gifts to the QCWA Memorial Fund have been tallied. It is to be noted that all Scholarships are still being paid by QCWA from its general accounts. Upon reaching the total of \$25,000 or more, the Fund will begin making yearly scholarship grants. Meanwhile, not only have your gifts been making the fund grow, but interest earned has been put back into the account, making it larger too. As of September 30, 1982, the Scholarship account has reached the total of:

**\$ 20,186.49**



## COASTAL CAROLINAS CHAPTER (118)

The highlight of our summer meeting in Fayetteville, NC was the display of the new banner. Bob Johnson, AA4L, thanked Bob Knapp, W4OMW and Marie Pressler, WA4YMM, for their work in getting the banner. Outgoing President, Bob Johnson, AA4L, installed Jessie Hodges, W4JG, as the new President. Jessie spoke briefly on the privileges and responsibilities of being an Amateur and of the actuality of things that had been bits of imagination of such people as Jules Verne. In addition, Bob Knapp, W4OMW, was installed as Vice-President and Murray Hake, W6MVZ, as Secretary-Treasurer.

KA4LZD, "Judge" (our photographer) invited the Chapter to hold its June 1983 meeting in Sivey's Corner, NC, to coincide with the National Hollerin Contest held there each year.

Charlie Biele, W2AOS, one of our Charter Members, is in a nursing home in Myrtle Beach, SC. Anyone wishing to write to him can do so at PO Box 7187, Dunes Station, Myrtle Beach, SC.

We passed the hat to add to our Chapter contribution and sent a gift to HQ for the QCWA Memorial Fund. Bob Forster W4DVG, was presented his 50-Year Certificate and Bob Knapp has a 58-Year sticker!

Pictured below, L-R are: W4EHF, W6MVZ (Sec/Tr); W4OMW, VP, W4JG, (Pres), AA4L, W4UTO. In the second row, KB4JC, W2DVG, W4GRO, W4SPU, W4LPL, W4RVE. In the top row, N4GYX, W2SE, W4ULD, N4DXM, K4MN.

- Murray, W6MVZ -



IN MEMORY OF OUR FRIENDS

Mr. Bert Gunn, W5FU, of Tulsa, Oklahoma has written to us of the passing of John Douglas Martin, W5PA.

John was first licensed in 1928 with the call 9FFW, where he was attending the Rolla School of Mines, Rolla, MO., and while there he built and operated the school station W9DUM.

He graduated from the Missouri School of Mines in 1933 and was an engineer for the Geophysical Research Laboratory, of Tulsa, from 1936 to 1971. In 1972 he became a consultant for the T. D. Williamson Pipeline and continued there for 3 years.

John held a Radio Telephone First Class license, the old Class A amateur license which he changed to advance later and was a registered professional Engineer, State of Oklahoma.

John, better known as Doug, to his friends, and his wife, Naoma moved to Cedaredge, CO in 1979, where they built a new home to enjoy retirement.

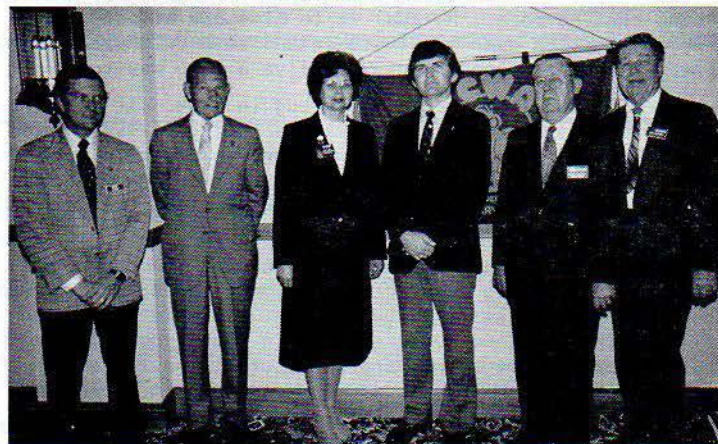
Doug, a QCWA member (3302) since 1962, had maintained his call, W5PA, since 1930. He will be missed by his many good friends around the world.

- W5FU -

## BALTIMORE CHAPTER (20)

The annual spring dinner meeting of the Chapter was held May 8, 1982, at the Quality Inn West, with 49 members and guests present. A hospitality hour preceded the dinner and as usual, provided an excellent opportunity to renew acquaintances. Joseph Walters, representing NASA/Goddard Space Center, made an outstanding presentation, including slides of the recent Space Shuttle Flight. We were honored to have with us two officers of QCWA, Stuart Meyer, W2GHK and Hugh Turnbull, W3ABC, also ARRL Director from Seattle, WA, Mary Lewis, W7QGP. Stuart and Hugh spoke briefly to the group.

Pictured below are, L-R: Lloyd Chastant, W3NF, Chapter Secretary/Treasurer; Roland Johnson, W3WA, President; Mary Lewis, W7QGP, ARRL Director, NW Division; Joseph Walters, NASA/Goddard representative; Hugh Turnbull, W3ABC, Secretary of QCWA & ARRL Vice Director, Atlantic Division; Stuart Meyer, W2GHK, President, QCWA, Inc.



Congratulations to two Chapter members, Hobart Johnson, W3AC and Hank Nevrlka, W3IQK, who received their Golden Awards.

The Chapter meets on the air, Monday 9 PM on 28,650 kHz. Monthly informal dinner meetings are held on the third Thursday, at 6 PM. Contact George, W3BYI, Lloyd, W3NF, or Roland, W3WA, for reservations.

- Roland, W3WA -

## SOUTHERN ONTARIO CHAPTER (73)

Southern Ontario Chapter 73 Held its Spring meeting at the Hammond Museum, Guelph, ON, with 83 members and guests in attendance.

Election of Officers was held with the following elected to serve until May, 1984:

Herbert Lehman, VE3BZU, President

Elvin C. Veale, VE3NZ, Scty/Treasurer

At the meeting then President Hammond, presented Golden Award Certificates to: Harry Gloster, VE3IT (70 Year) Certificate #2; Frank Hartley, VE3JT, 60 Year Award #73; Bill Crawford, VE3JU, 50 Year Continuously licensed #374; Les Sharman VE3KTT, Golden 50, # 2478; Art Vivian, VE3YY, the Golden 50 # 2577.

The Chapter is fortunate in having help from having to pay postage and printing costs. Thanks to those helping.

- Elvin, VE3NZ -

## SAN ANTONIO CHAPTER (38)

The last meeting reported was the July 24th get-together. Two visitors, Les Miller and Ray Davis were welcomed. The Chapter has signed a new member, George Williams, W5KCV.

The meeting was short as there was very little business. We did have a film by Orson Welles, titled, "Who's Out There" having to do with space, etc....came from NASA and was very informative.

- Frances, W5KQG -



## THE K5RW BUG COLLECTION

Like most of you, I saw my first bug when I was a teenager. I can't remember what kind it was, but it caught my heart and imagination. Visions of becoming a high-speed operator and earning my place on 40 meters danced through my head. So I got out the catalogs from the big radio houses on the east coast. My twelve dollars was soon in the mail. After what seemed like an eternity, the postman delivered by prize, a brand new SPEED-X bug, Model 515.

Two decades later the SPEED-X is still with me. So is my fascination for bugs. My collection got started when I saw an ad in the classified for an old bug. Curiosity got the best of me, so I ordered it. The bug turned out to be a Vibroplex. I knew it was old because I had never seen one quite like it, but how old I didn't know. I had to find out. Then came a McElroy Bug. I knew who Ted McElroy was, but never knew he made keys. I wanted to find out more.

Today there are 70 bugs in my collection and I am still trying to find more. My goal is to find one of each make and model of bug ever manufactured and to know their history. I've got a good start, but I've a long way to go.

Horace G. Martin made the first bug in 1904. It was called "The Vibroplex". Other manufacturing firms saw how successful the bug was. In a few short years there were dozens of bug makers competing in the market. Many firms had several different models. For four decades the bug enjoyed a heyday.

Technological advance eliminated the need for the bug. After WW-II, the bug manufacturers slowly faded away. Today there is only one still in business....Vibroplex. They are still making the same model started in 1904, now known as the Original. Though they are gone, other manufacturers are not forgotten. Thousands of bugs remain to remind us of the golden days of communications. These purveyors of the radiotelegraph art are hidden away in attics, closets and garages waiting to be discovered by a collector.

I wish the bugs in my collection could talk. What stories they would tell. How many sent messages that saved lives or announced the birth of a child? One could probably tell us about transoceanic DX with a TGTP rig it keyed. Another might tell us about train wrecks, or torpedoed ships, or a message sent to a secret invasion force. Still another might tell us about the craftsman who put it together, or interesting stories about its owner.

Old bugs can't talk but the fellows that used them can. An old-timer that bought his key forty, fifty, or even sixty years ago can tell me about himself and his key. I like to retell these stories when I show the collection. Former call-signs, early rigs and historical notes give each key a unique identity. Unfortunately, the pieces I pick up at junk sales and estate sales are anonymous. Yet they are still a part of history.

About two-thirds of the keys in my collection I would classify as real shoppieces. The remainder are spare parts bugs or seconds. When something new comes in I go to work

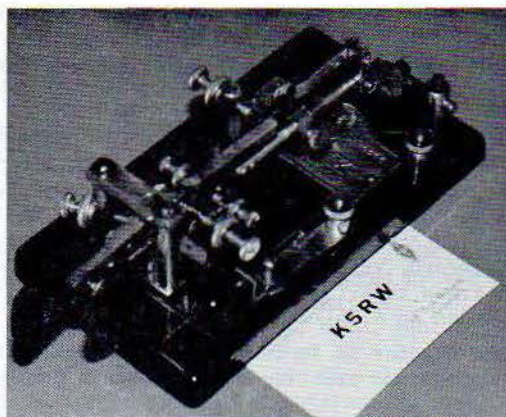
on it. If it is missing parts, I try to find replacements among the spares. Sometimes I have to find three or four of one particular model to assemble a complete one. I am just starting to experiment with restoring the really rough ones. This involves duplicating the paint and electroplating of nickel or chrome. So far, so good. The stumbling block is duplicating the baselite and plastic pieces. These are always the first parts to go. Maybe you can offer some suggestions.

My collection consists of bugs made by Vibroplex, McElroy Logan, Martin, Cedar Rapids, Bunnell and Telegraph Apparatus to name a few. Strangely enough, I am missing some of the more common pieces like the Martin Original and the McElroy Amateur models. I estimate it will take 200 bugs to make the collection representative of what was available in the first half of this century.

Finding information on bugs is difficult. There are no reference works for collectors, so those that collect become detectives. The task is a double one....finding bugs and finding information about them. Old advertisements, catalogs and flyers are a good source of information on types and year of appearance. Not too many have survived the years, however. The U.S. Patent Office records are accessible and do contain technical and proprietary information about some of the early and unusual models. The lack of reference material is a handicap, but it makes digging for it a lot of fun. The Vibroplex factory, I am told burned in 1972 and all records concerning serial numbers were lost. Therefore, even with the number, a Vibroplex bug can be difficult to identify and date.

I'm still young, by QCWA standards, so I've got lots of years to fulfill my goal. Or looking at it from another angle, I've got lots of bugs to go! If you have questions about bugs or other keys, feel free to write. I'll do what I can to share my knowledge or experience. If I don't know the answer, I'll steer you to another collector. If you have questions about a specific bug, please include the following information. It will save us a couple of letters SASE appreciated.

1. Dimensions of the base
2. Finish of the base, paint or plate and trim
3. Shape of finger & thumb pieces and type material
4. Size of the contact points
5. Serial number (this gets me close)
6. Description of the main frame
7. description of the damper assembly
8. sketch of the nameplate
9. A picture is worth a thousand words, if you can make a photo, so much the better.



Vibroplex X-Model...a single set of contacts for dots & dashes. The key belonged to W0LCE who was 9RW when the key was in use.

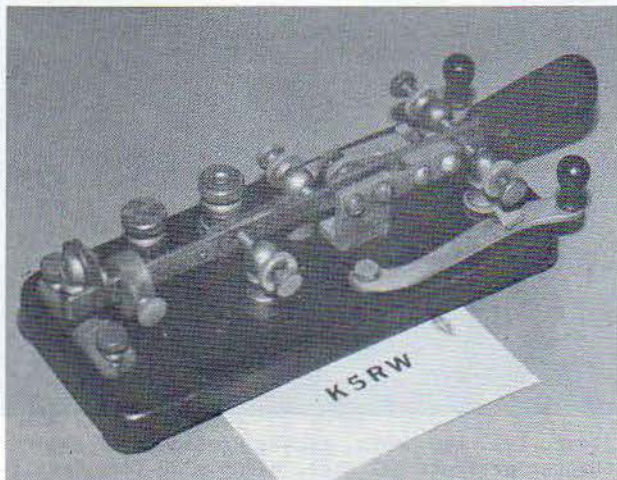


Above, a McElroy Super Speedstream PC-600. This key belonged to Brownie, W3CJI, who used it aboard a DC-3 on South American routes during the 1940's.

Perhaps we can start a regular column on old keys. Let Ted know what you think. In the meantime, look for me on 20 or 160, CW, of course!



Below: Signal Electric Sematic. This key could be used as a bug or a sideswiper. It belonged to W2VM, who was W3AKU when he used it to key a UX-210 Hartley oscillator.



(10)  
(12)

K5RW is B. Neal McEwen, 1128 Midway, Richardson, TX 75081. If you enjoyed his story, drop him a line, he'll be glad to hear from you.

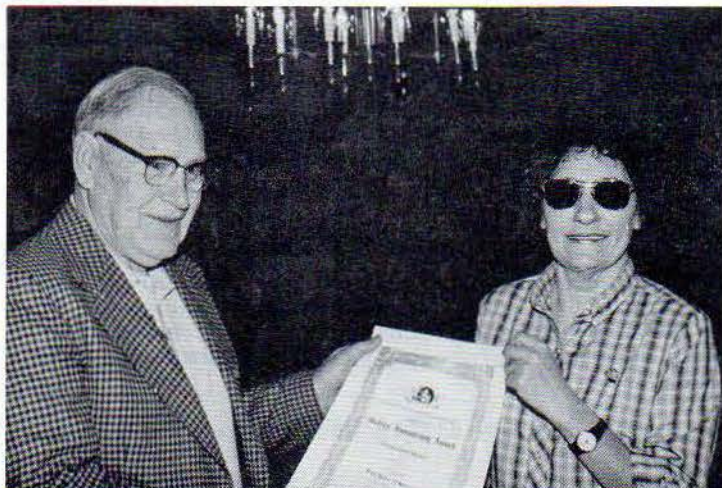
- Ed -

#### MID-MICHIGAN CHAPTER (135)

On March 27th, the Mid-Michigan Chapter (135) met at it's regular monthly meeting with 12 members and spouses present. Again this meeting was special with the awarding of a Golden 50-Year Certificate to John Stauffer, W8GSP, of Lansing, MI. In the absence of the President, Donna Burch, W8QOY, Chapter Secretary, made the presentation. Donna also talked about the upcoming YLRL Convention and the YLRL Scholarship. A good time was had by all as it is at all of our monthly meetings and breakfasts held at Denny's Restaurant, just off I-96 Expressway on West Saginaw Highway.

Visitors in the area are always welcome.

The Golden Certificate presentation is pictured below:



- Donna, W8QOY -

#### DETROIT, METRO CHAPTER (61)

Greetings from the Detroit, Metro Chapter. At it's final meeting for the 81/82 period, the Detroit Metro Chapter was honored by a presentation from Leanna Shaberly, KB8RT. Her subject was about YL activities. She showed some of the YLRL and other systems, as well as some very choice QSL cards from all over the world. These QSLs were the envy of many OM DXers who were present. A well-lanned lecture was enjoyed by all members of the Chapter. Thunderous applause at the end of her presentation attested to its excellence!

- Len Kerzka, W8IHX -

#### PINE TREE CHAPTER (134)

Our March 27th meeting at the Jade Fountain in Auburn, was a hugh success, Don, W1BYK, as chipper and full of life as he can be, talked about his early experiences in ham radio. Some funny and some pretty serious stuff...for example, illegally intercepting a German spy message during WW-I and having the guts to report it to the Government...listening on the short-wave bands was strictly forbidden and well.... hams will be hams, I guess. Of course I wouldn't have done that! Anyway the spy was caught and Don got credit for his work years later.

I was most interested in details about don't rotary spark-gap rig. Never did quite understand what that rotary thing was all about...namely the rotating gap produced a nice modulated CW spark signal. In addition to some early gear, Don brought along his programmable computerized pocket musical organ. We dumped in some random numbers and came up with the darndest musical note I have ever heard. So, Don is right up with the times and will be receiving his 60-Year Golden Certificate at our meeting.



Above, at Head Table, L-R, Bonnie, Glen, KIMAN, Jim, AE1W and Joan.

Below, the whole Pine Tree Chapter gang!



#### SAN DIEGO CHAPTER (14)

The Chapter welcomes new Members, Bill and Kathy Kreysler, W6BTN and K6AWP. George Mitchell, K6ZE, was scheduled to present a program at the July 11th meeting. George finally was able to get ashore at a time coinciding with a meeting!

QCWA President, Stu Meyer, W2GHK, and his Lady, had dinner with several couples from the San Diego Chapter. Bernie, K6UV, arranged for the meeting at the Admiral Kidd Club, overlooking the harbor. A very nice social gathering. We then were invited to Bernies home for refreshments and a tour of Bernies shack. Those able to attend were; Harold Bourell, W6NZ; Earl and Chris Burdette, W6YYV; Chuck Taylor, W6EBX; the Cory Cooks, K6ACY; Bob Frye, W6JWU; Si Morrison, W6OSD; Connie and Bernie Bernardini, K6UV; Dick and Helen Shanks, W6BZE; Fran and Larry Harvey, N6LY; Roy Maxon, W6DEY. A completely enjoyable evening, May 26, 1982.

- Si, W6OSD -



GATOR CHAPTER (32)

Our Chapter continues to meet all summer, even tho many of our members go north for the cooling breezes. Summer meetings are informal, just a chance to get together and discuss various subjects. We are planning QCWA activities at the Suncoast Convention. We will have a hospitality room, a luncheon and a QCWA Booth. Gator, Pelican and Gulf Coast Chapters will all participate in these events. Dave Davis, W4GQ, was able to attend our June meeting after several operations on his hip... Barney, K4NB, is now out of the hospital. George Rae, K4TH, Paul Turner, W1DLP and Lou Weber, K4HWS, had their wedding anniversaries during June. The Morton Plant Hospital, in Clearwater, FL, had a telephone emergency and a number of our members helped run communications for the hospital for over 12 hours. We are sorry to report a great tragedy to one of our members, Bud Waite, W2ZK. His son and 2 graddaughters were killed in an auto accident. Wedding anniversaries for July were Russ, K4HI, 51 years; Tom, K4IJC, 18 years; and Eli, K4JMH, 44 years. The August meeting was a picnic held at Taylor Park in Largo. A good time was had by all. Since February, we have gained 10 new members. Our first official meeting will be held in October. The nominating committee will start selecting candidates for Officers for 1983/84.

- Eli, K4JMH



Above, L-R, Lou Weber, K4HWS, President of Gator Chapter presents Hal Rice, W4POM a 60-Year Certificate, Art Ashley, W4EXS and James Clarke, N4BQC, 50 Year Certificates.

SUMMARY OF MINUTES

QUARTER CENTURY WIRELESS ASSOCIATION, INC.

2 OCTOBER 1982

The following is a summary of the minutes of the Annual Board meeting as required by Article IV, Section 3 of the By-Laws. The meeting was held in Nashville, Tennessee the 24-26th of September. All Board members were present with the exceptions of Directors Gartsman, W6ATC and Harvey, N6LY.

With the appointment of Director Arnold, W4WHN, to the position of QCWA Secretary, there then existed two openings for Board appointed Directors which were then filled by the appointments, for one year, of Gerhard Jacoby, DL3ME and Wade Holland, W4AZD.

Among major actions taken by the Board were the signing of a new contract for a General Manager with Demos; a review of the dues structure which will have a amendment submitted by the Secretary in time to be reviewed by the Board for possible implementation the first of the year.

The General Manager reported the latest membership number issued was 16,343. The new membership roster will be in the mail within a few days. The Long Range Planning Committee (LRPC) furnished its Phase One report which included many items derived from membership input which is still needed. The balloting to determine the number of directors resulted in approval by an eleven to one majority. Next years elections will meet this requirement. Senator Barry Goldwater, K7UGA was selected as the nominee to enter the QCWA Hall of Fame while Herbert J. Gleed, Jr., W6FQ, was recognized as QCWA Man of the Year.

The Spring Board meeting will be held April 8-9 in Irving, Texas. You are reminded to circle September 30 through October 2nd, 1983, so that you can make your plans to attend the National Convention in Denver, Colorado. Much discussion centered on PL-97-259, the recently signed new Communications Act which can change the face not only of Amateur Radio but many other communications services. The discussion covered possibilities of actions which QCWA might take which would be of help to all amateur radio but also might help the FCC with amateur examinations, enforcement and items which could be delegated under the new Act.

Other items the Board took action upon will be reported in greater detail in the Minutes which has already been mailed to Officers and Directors this date.

/s/ Max Arnold, W4WHN  
Secretary, QCWA

NAME GRANDPA:

In the Winter, 1981 QCWA NEWS, Ian Ebert, W8SM, wrote with the idea that our LOGO grandpa should have a name. It sounded like fun, so Ian was drafted to Chair a committee to see if a name could be found. Well, it ended in a terrible mess, with 26 letters and suggestions, mostly listing "TOM" or The Old Man. There were a couple of Hiram and one Otto for the original artist. Ian had help from the Mid-Michigan Chapter and especially his co-chairman, Don Devendorf, W8EGI. They were really unable to come up with a name that suited them, and suggested that we here at HQ make a decision...Ian has proven his ability to pass a hot-potato....To both Ian (Eby) and Don, a million thanks for your work, and for your suggestions. We've decided that it should be a name, rather than a title, as you had recommended.... Therefore, we've picked two of the proper names....Choice #1 is "Elmer" sent in by W6YCO. Second choice was "Smokey" sent in by W2RD. First Prize was \$19, or a three-year membership extension in QCWA. Second Prize was \$9, or a one-year extension of membership in QCWA. If the winners will drop us a card or letter letting us know their desire, we'll forward the prizes immediately. To those who took part, thanks a million for your interest and help. We'll leave it at Elmer for two years, then see if anyone has come up with a new idea. The prizes will be paid by HQ.



## MICHIGAN CHAPTER (10)

At its June 12, 1982 meeting, at Paddy's Pub, in Midland, Michigan, and election of officers saw the following named for the 1982-1983 period:

Merle Lawrence, W8LUI, President  
Charles F. Zeigler, W8GLV, Vice President  
Edward J. Trombley, W8CAM, Treasurer  
Alex A. Polityka, W8FLA, Secretary

During the meeting the Chapter passed a resolution nominating Mr. Herb Glead, W6FQ, as QCWA MEMBER OF THE YEAR.

In the picture below, some 22 members of the Southern California Chapter held a "Greet The Guest" luncheon for Floyd Churchill, W8IAR, at Culver City's Swedish Smorgasbord. The meeting was arranged by Stu Wolfe, W6FYV, a former member of Michigan Chapter, with the help of Ralph Cabanillas, W6IL. After the luncheon, Floyd flew back to several feet of snow, in Michigan.



Pix by W6FYV

- Alex, W8FLA -

## QCWA SILENT KEY MEMBERS

W1MNK	ED T. MAGUIRE	W6CIF	FRANK W. WEBSTER
W2GIH	RICHARD M. PRATT	W6DRV	ROBERT HOLLY
W2HL	BERNHARD H. STAHL	W6WFL	HENRY F. HOPKINS
W2POV	CATELLO H. BUONOCORE	W7BXR	RAYMOND G. WEBSTER
W2RN	RAY D. NICHOLS	W7GMC	RICHARD W. ROSE
W4AQM	CHARLES W. ROBERTS	W7PF	WILLIAM T. GILL
W4BU	J. H. "JIM" NICHOLSON	W7PWP	JULIEN DEWAELE
W4JPV	GEORGE S. RAMSEY	W8BC	H. B. CASKEY
W4JRB	DAVID L. HORTON	W8HPE	DICK BAECHER
W4LFY	DON CRAWFORD	K9CLS	ARTHUR W. DRILL
K4MKO	HARRY E. WELSH	W9HPG	PHILIP HALLER
W4NWJ	PAUL J. WARRICK	W0GM	D. A. KENT
W4PEI	CARL G. SCHAAL	K0MOA	EDGAR W. FREEMAN
WA4UKR	HUBERT H. HOUSTON	W0RVO	BOB MOLITOR
W5AZC	D. C. MCCARY	DL3HG	HERBERT J. STOTZ
W5AZM	EDMUND G. FUCHS	VE7JC	JOHN A. CASILIO
W5GAL	ALBERT SWITZER		
W5FND	W. J. CARMACK		
W5PA	JOHN D. MARTIN, JR.		
W5QV	ERNEST F. SHAWVER		
W5QWB	L. H. HULL		
W5TQ	JESSE COPELAND		
W5UMR	GEORGE E. DOWNER		
W5WUM	BLAND M. HARRIS		

So Many good friends -- remember their smile and the moments of happiness shared. Be thankful for the part of them given to each of us. Rest in Peace old Friends, you are not forgotten!

A SPECIAL REPORT ON  
QCWA IN ENGLAND

On July 4, the XYL and I flew to England for a visit with her relatives. I was aware that there are only four QCWA members in England, so I copied the names of eligible amateurs in the area we would be visiting. After arriving, I paid a call on Frank Canning, W2GCB, QCWA #4014, recently retired and on a reciprocal license. We discussed the possibility of organizing a Chapter in G-Land. Using the assigned reciprocal call G5EKX, I made several contacts on 2 meter FM and attended a picnic sponsored by the Newbury Amateur Radio Association of Newbury, Yorkshire in a quest for prospects. In addition, 20 pieces of literature were mailed in an effort to enroll eligible "G" men in QCWA. On another occasion we traveled to London and dropped in at the Radio Society of Great Britain and talked with John Nelson, G4FRX, hoping to get a mention in the RSGB publication, RADIO COMMUNICATION. We will have to keep our eye on "RADCOM" future issues and see! Only time will tell whether the efforts were worthwhile.

In the photo below, Paul, W3QPP, at left visits Frank, G5ABF, Frank, at Newbury, Bershire, England, July 15, 1982



- Paul, W3QPP -

## TYLER CHAPTER (54)

The Joint Dallas/Tyler Rose Garden get together, in May was a wonderful one.. Perfect weather and good fellowship...

At the May meeting the Chapter elected Officers and Directors as follows:

Claude Hauge, KC5FF, President  
Bettye Vredenburg, K5IMD, V. P.  
Cecil Cammack, W5RRM, Scty/Treas.

It was with regret that the Chapter announced the passing of Lynne Hull, W5QWB. Lynne and Corinne were regular participants of many Chapter activities.

Members of the Tyler group generally meet on Fridays, at 6PM, at Wyatt's on the Mall, also several meet at IHOP on the loop across from the Mall at 1130 AM Mondays, Wednesdays and Fridays... Please join us at every opportunity.

- Cecil, W5RRM -



## WIRELESS BETWEEN THE WARS - PART III

BY KEITH STREET, G3DKS

Keith Street continues with stories of early wireless.... His adventures are intriguing to read and are really adventures that most of us have only dreamed of. This is Part III...If you enjoy it, re-read those previously published & by all means drop Keith a letter letting him know of your interest. His address is:

Keith Street, G3DKS  
1399 Freeport Drive  
Deltona, FL 32725

-- Ed --

In about 1932 in Singapore, we became rather dissatisfied with the "wireless equipment" provided by His Majesty's government in our beloved Hawker Horsley aeroplanes. This was of two kinds; the first consisted of a 100-watt C.W. transmitter on M.F. (150-550 Khz), a simple Hartley Oscillator using two parallel bright emitter valves (tubes) VT1A, and a TRF O-V-2 receiver, copied from a Telefunken design used in World War I Zeppelins. This was the "T.22/T.F." combination used for CW communications on long distance cruises such as our trip to Singapore, and our fairly frequent visits to Saigon, Bangkok and India's N.W. frontier. All this considered this worked very well.

The "tactical" radio telephone equipment was an alternate outfit, used for air/ground and air-to-air communications for our daily bombing and torpedo flights. This was a very early HF (3-7 Mhz) system, using a 3-tube AM transmitter, and one of the very first superhet receivers. The latter employed 11 tubes (2 RF, 1st Det, Osc, 3 IF, 2nd Det, 2 AF) but they were all simple triodes, which posed an enormous stability problem, cured by the simple expedient of biasing the various grids positively - so that they didn't oscillate, but they couldn't amplify, either! The control which accomplished this neat trick was labeled "Stabiliser", and if one pored the fingernails to the quick, and exercised extremely delicate control, it was indeed possible to receive speech on the remarkable receiver, at reasonably close range.

Those of us who had discovered amateur radio at this time knew there must be a better way, and in fact we had worked several local hams on AM voice on the (then) new 5 and 10 meter bands, with astonishing clarity and using only battery power. This eventually led to the construction of some rather simple airborne equipment using receiving valves, and a splendid base station built into an aircraft packing case (replacement aircraft were shipped to us in huge wooden boxes). This Base Station I believe actually used one of the very first "807's" obtained from RCA at the (for us) staggering cost of \$25.

This equipment worked well on its unofficial local trials and eventually I persuaded our Flight Commander to let us do a "real" range test - 150 miles up the Malayan coast, or until we ran out of range, whichever came first. I imagined that our 7-watt transmitter on about 30 Mhz would really put out at 10-12,000 feet. The antenna was a dipole strung between wing-tip and tail fin (stabiliser). The pilot on this trip was a Sergeant called Tommy (later a Big Wheel in Imperial Airways, later BOAC - now "British Airways"), and I operated the new radio whose virtues we intended to prove.

All went well for the first hour, by which time we were somewhere between Batu Pahat and Malacca - signals loud and clear at 10,000 feet, but as the noise built up, I persuaded Tommy to climb higher and higher, doing mental arithmetic meanwhile about line-of-sight distances, earth curvature, etc.

The Hawker Horsley had a nominal ceiling of about 19,000 ft, but we didn't go there often, because it was very dreary (and cold) up there without oxygen and also, the engine had a habit of stopping dead at about 16,000 ft, due to carburettor icing. This happened to us as expected, and I duly reported back to Base "Dead stick, dead stick, descending and restarting". They actually heard this message,

weakly in the noise, and it was the last they did hear of us for several days.

Normally, this engine cut-out thing was no problem, and there was a drill to cope with it. One glided down a few thousand feet, let the ice melt, and the observer (me, in this case) crawled into the "kitchen" (under the pilot's feet) where there was a "gas-starter". This lawn-mower type engine pumped compressed air and gas into the main engine (a Rolls Royce Condor - forerunner of the famous W.W.II Merlins), and usually re-started it before one reached 6-8000 feet. If this didn't work a vertical dive and much jiggling of throttle and switches would usually get the big 19 ft. propeller turning again.

Well, this time nothing worked, and at 2000 feet we began anxiously to eye the 200 ft high trees which covered hillsides in every direction. Tommy said, "One last try with the gas starter", and I went down and fruitlessly pumped its starter handle -- it, too, was out of gas at this point.

So we stretched out our glide and made it to a rather lumpy beach, where Tommy performed a near-miraculous "dead stick" landing, at the expense of only one burst wheel and a broken tail-skid.

It then appeared that the tide was coming in, and unbroken jungle extended in every direction but seaward. No way to salvage this aircraft!

Conventional wisdom says one stays with the aircraft until found and rescued, but we didn't fancy sitting on the top mainplane, surrounded by sea and in the sun with nothing to drink or eat for the rest of the day, if we were lucky and another aircraft found us; and then for another 24 hours or so whilst a marine craft made its 8-10 knot journey by sea to pick us up. Of course at a literal sea level, our special radio had a range of about 10 miles. So we decided to walk along the shore until we came to one of the "sungeis" (muddy estuary) we had seen from the air; and a few miles up river, there ought to be a Malay fishing village.

So we walked quite a few miles and found a river. Lacking a boat however, the way upstream was quite impassable, so Tommy said "Swim across, and we'll find another sungei". We did, and whilst drying out along the next beach, I pondered upon the fact that this was the original "mugger country". The muggers of today in our larger cities take their name from the man-eating crocodiles of the Andaman and Nicobar Islands and the nearby Malayan coastline. These huge creatures have a reputation of attacking in packs of 30-50, without molestation by man or warning by them, apparently just for fun and supper. In fact, it was reliably reported during World War II, that, in a night raid, they ate the whole 30-man Japanese garrison of one of the Andaman Islands, to the great joy of the Islanders, who, from long years of familiarity with the muggers, are said to have tempted them to this feast by tying up some oxen on the shore.

However that may be, after swimming two more muddy estuaries in the wake of the captain of my aircraft, I said "Hey Tommy, it's getting dark, and I don't want to swim any more muddy rivers, because of the muggers!". He promptly sat down, turned greenish, and said, "My Gawd, I never thought of that!"

Soon after, we sighted a light -- two Malay youngsters going night fishing in a "koleh" with an acetylene lamp in the bows. Fortunately, I had taught myself to speak Malay, and after much yelling, they took us aboard, gave us water and curried rice, and we spent the next few hours fishing with great success. Then back to their village in the dawn (a long, long paddle); and two days later a very angry Flight Commander arrived, in the company of a friendly rubber planter, at whose bungalow some miles away we en-



## WIRELESS BETWEEN THE WARS - PART III

joyed baths and Scotch, and then drove back to Singapore in out Boss's car. He did not speak for the first 100 miles, but then we gathered that we were not to be court-martialled, only subject to every dirty or boring chore for the next few months.

It was not thought nice to lose one of the H.M. aeroplanes, even if it wasn't our fault. The good that came of this trip was proof that VHF voice radio worked, and many years and much heated argument later, such became the standard fit in RAF aircraft. Indeed, we may credit good VHF ground/air communications, and the newly invented radar (then called RDF) with being quite indispensable aids in the Battle of Britain in 1940.

Of course, we tried to emphasize the success side of our flight -- we had proved that ham-type radio worked better, and when properly repackaged for airborne use, it could solve a major tactical problem then existing. Our Squadron Commander's comment on this was trenchant --- "Yes, the operation was successful, but the patient died!"

Part IV will appear in the Winter QCWA NEWS

## ON THE AIR QCWA SCHEDULES REPORTED

Chapter-Location	Day	Time	NCS	Freq.
1 Cleveland	Wed	2030L	W8EFW	28625
2 Chicaog Area	Wed	2000Z	W9DZG	7073
	Thu	0000Z	W9DZG	3590
4 NW Chapter	Sun	0830		3655
	Sun	1200		3950
6 Pittsburgh	Sun	0830	W8CWY	63/03
	Sun	0915	W8CWY	3910
7 SOCAL	Sun	0800	W6INH	3917
	Sun	0900	W6FQ	3917
	Sun	1100	K6BA	3695
9 Dayton/Cincy	Sun	1300		3986
10 Michigan	Sun	0800	W8CAM	3903
11 NOCAL	Sun	0930	W6BYS	25/85
12 SE FL	Wed	0900		
14 San Diego	Wed	2000		28600
15 Tulsa	Sun	0700L	W5FU	3830
	Sun	0930L	W5FU	7155
16 Arizona	Sun	0730	K7NTG	3892
20 Baltimore	Mon	2100L		28650
24 New England	Sun	0845L	W1DJ	
25 Nebraska	Sat	0900		3980
36 NW Indiana	Wed	1900L		147.0
32 Gator	Sat	0930		3920
38 San Antonio	Sun	2030L		28650
41 Dallas	Sun	0730	W5KNY	3835
45 Citrus	Sat	0930	W4PI	7290
	Thu	1900	G3DKS	99/39
49 Atlanta	Sat	1300Z	K4VN	3832
54 Tyler	Sun	0800	W5CNO	3835
55 Wisconsin	Sun	0830		3985
58 Colorado	Sun	0900L		3905
	Sun	0930L		07/67
60 Eastern Tenn.	Sun	2100Z	W4HBZ	3875
61 Detroit Metro	Sun			3663
62 Suwannee	Sat	0900		7235
63 Central Oklahoma	Sun	0830		3850
64 El Paso	Sat	0830L	W5NPI	3935
65 Niagara Frontier	Sun	1330L	W2SD	3900
73 Southern Ontario	Sun	0900L		3773
	Sun	1300L		7090
75 Cen Cal Coast	Sat	0830L		3917
77 NNJ	Sun	1300	W2OJW	3917
81 LIQCWA	Sun	1130L	W2SF	3917
84 Florala	Mon	1930	W5RHE	28/88
87 Evergr-en	Sun	0700		3985
89 Palmetto	Sat	1700		3927
90 Razorback	Sun	1800	W5MYZ	3907
96 Gateway	Sat	1100		7230

104 Treasure State	Sat	1000L	W7OIO	7240
107 Central Florida	Sat	1000L		7240
109 Baton Rouge	Sun	0830	W5MD	7238
112 Yankee	Sun	0930		3903
113 Memphis	Fri	2000L	W4OMI/YELO4/64	
114 NOTEX	Sat	0830	W5GPO	3943
116 Central VA	Daily	0930		01/61
118 Coastal Carol.	Mon	2015		28/88
120 QCWW	Tue	1900Z		14295
122 Lake Erie	Sun	0930L		3915
125 Halifax	Wed	1930L		75/15
126 Piedmont	Sun	0900L	W4QI	3935
128 Pelican	Sat	1000L		3930
129 Waco				13/73
130 Inland Empire	Sat	1600Z		3912
134 Pine Tree	Sun	1400L		3942
FL CW	Sun	1230	W4PEI/W4PI	7035
FL SSB	Wed	1330	W4PI/W4PEI	7247

## CENTRAL OKLAHOMA CHAPTER (63)

The Chapter has two kinds of meetings. Sundays at 8:30AM, local time, there is a roll-call of those normally checking in, on 3850 kHz, averaging 39 members, who gather for informal chats, birthday announcements, hamfest info and a repeat of ARRL bulletins by W5AS. Four times a year the Chapter holds a dinner meeting on Sundays, at 12:30PM. An average of 45 attend. Programs are non-technical and will interest everyone.

The difficulties of notification of all members of meeting dates has been a problem. Not all check-in on the nets and the cost of postage has been a real problem too. After a good deal of thought, written notices will be sent to those who do not check into the nets.

The Chapter welcomes NEW MEMBERS, K5DLE, W5EIU and AB5J!!!!

----- Carl, W5JJ -----

## SOUTHEAST FLORIDA (12)

Southeast Florida Chapter held its May meeting at Denny's Restaurant, in Miami. New Officers elected were:

Glen Roof, W4KO, President

Al Wilcox, W4ELR, Vice President

Paul Krug, W4LGP, Secretary/Treasurer

Evelyn Gauzens, W4WYR, Vice Director of the ARRL Southeastern Division, gave us a very interesting talk on recent ARRL and FCC actions. All members are encouraged to state their views on matters pending within the FCC.

It is very sad to report the passing of Warren Roberts, W4AQM, a member of our chapter. We will all miss Warren.

The 50-50 drawing was won by Art Rauch, W4VZ, with W4WYR and W4DLT also winning prizes.

----- Glen, W4KO -----

## PELICAN CHAPTER (128)

Our second Annual picnic meeting was held in June at Ft. DeSoto Park with 30 members and guests attending. Activities included free Bingo and drawings for prizes, consuming charcoal broiled goodies and iced drinks. Our regular restaurant meeting place closed its doors suddenly, in May, and we had to cancel our July & August luncheon meetings. The Board of Directors spent some time trying to locate a new meeting place and we were happy to announce that it will be the Sea Ketch Restaurant on Tyrone Blvd., in St. Petersburg. Winter visitors to Floridas Sun Coast are cordially invited to attend on the third Wednesday of the month, at noon. Y'all come!

----- Harry, K4WP -----

NOTICE! NOTICE! THE BOARD OF DIRECTORS TOOK ACTION AT ITS JUNE, 1982 MEETING TO SIMPLIFY QCWA PIN CHARGES. ALL OF THE PINS HAD DIFFERENT PRICES AND THEY WERE CHANGING ABOUT EACH MONTH. ACCORDINGLY, THE BOARD MADE ALL PINS AT \$7.00 EACH! THIS CHANGE WAS EFFECTIVE ON OCTOBER 1, 1982....IT WILL REMAIN AT THAT LEVEL UNTIL INCREASED COSTS MAKE REVISION IMPERATIVE. YOU WILL BE ADVISED IN PLENTY OF TIME!



WØZJ Print

DENVER, COLO.

THE COLORADO CHAPTER OF QCWA IS HOLDING THE 1983 NATIONAL CONVENTION IN MILE-HIGH DENVER NEXT YEAR, FRIDAY, SEPTEMBER 30, SATURDAY AND SUNDAY, OCTOBER 2 & 3. WE ARE STARTING ADVERTISING EARLY SO ALL OUR MEMBERS WILL HAVE TIME FOR PLANNING THE TRIP.

I THOUGHT I WOULD LET YOU ALL KNOW SOME OF THE ACTIVITIES WE ARE PLANNING AND ESPECIALLY FOR THE YL AND XYL's. WE HOPE THE OM'S WILL SHOW THIS NOTICE TO THEIR WIVES SO THEY WILL SEE THAT WE ARE PLANNING THIS CONVENTION WITH THEM IN MIND. TO MOST OF OUR XYLs A CONVENTION IS A DRAG....NOT THIS ONE!

1. Friday Afternoon, a program for the XYLs
2. Saturday morning, a breakfast only for YLs and XYLs
3. A tour of the Air Force Academy and of Central City, with box lunch available, if you desire it
4. Saturday night banquet for all
5. Sunday breakfast for all
6. A Hospitality room open all day with a cash bar
7. Leo Meyerson with his famous sing-along

THE SHERATON TECH CENTER (DTC) IS APPROXIMATELY 15 MILES DUE SOUTH OF DOWNTOWN DENVER ON INTERSTATE I-25. WE ARE PLANNING TO HAVE 2-METER MOBILES NEAR THE AIRPORT AT ALL TIME FROM FRIDAY MORNING UNTIL SATURDAY NOON FOR TRANSPORTATION TO THE HOTEL. OUR RESERVATION CARDS WILL HAVE A SPACE FOR INDICATING THOSE COMING BY AIR.

LADIES AND GENTLEMEN: WE ARE PLANNING THIS CONVENTION WITH THE HOPE IT WILL MEET WITH THE APPROVAL OF OUR MEMBERSHIP. WE HERE IN COLORADO ARE SURE GOING TO DO OUR BEST TO MAKE YOU HAPPY YOU CAME.

- COLORADO CHAPTER OF QCWA -

#### NASHVILLE WAS GREAT!

All QCWA members who were lucky enough to be able to come to Nashville for the 1982 QCWA Convention had a fine time.. The location was within a mile of the airport, the hotel & facilities were excellent. Fellowship was about the best ever....only one problem, not enough attended to satisfy the Chairman, Dave Goggio, W40GG....the problem has been determined to have been the steep cost of air-transportation....Dallas to Nashville and back was just under \$400... and some, like VE1SH, came from a long way out...with \$900 to pay. Never the less, the meeting was great, and we did get to see and visit with some old friends.

The Board of Directors really worked up a storm, with about the longest sessions we've ever seen. Lots of things happened, and will continue to happen after we settle down a bit.

We were favored with a really fine address, at the main banquet...Federal Communications Commission Chief of the Field Bureau, Richard Smith, delivered a real message to those in attendance. Much information on FCC activities and plans. All of us appreciate his courtesy and that of the Commission, in bringing us up to date on happenings....

Elsewhere you've seen the notice of the Memorial Fund growth. Leo Meyerson is so proud of his Nebraska Chapter & its great contribution that he had to order a new vest!

All of us in QCWA want to thank Mid-South Chapter and all who assisted in putting together a good meeting. I don't know how many attended the Grand Ole Opry, but it must have been a pretty good bunch, and they had to have enjoyed it greatly. Again, thanks to you guys down in Tennessee!

LOCAL CHAPTERS ARE PLANNING QCWA ACTIVITIES FOR SAROC. PLAN TO ATTEND THE MEETINGS IF IN L.V.!

**SAROC**

Post Office Box 945  
Boulder City, Nevada  
89005

NOW, DON'T FORGET, ELECTIONS COMING UP IN 1983....TOOT THE HORN FOR YOUR CANDIDATE....IF HE WASN'T NOMINATED, GET HIM ON THE SLATE BY PETITION...THERE'S PLENTY OF TIME!

## The Foundation For Amateur Radio



Reply to: Hugh A. Turnbull W3ABC  
6903 Rhode Island Avenue  
College Park, MD 20740

August 24, 1982

Mr. Max Arnold, W4WHN  
Secretary QCWA  
116 South First Street  
Nashville, TN 37213

Dear Max:

At the August 11th meeting of the Foundation, the trustees accepted the recommendations of the scholarship committee for ten awards. The two QCWA Silent Key Memorial Scholarship winners were Brian D. Miller, KAØDGT - Englewood, Colorado and Marc Vernon, KI9V - Hinsdale, Illinois. Copies of the letters formally notifying them of their selection are attached.

Brian was sponsored by Oliver L. Mitchell, WØPVM (QCWA # 15458). He has completed two years at Midland Lutheran College in Fremont, Nebraska where he plans to study for a degree in computer science. In 1981 he was the winner of the Foundation's John Gore Memorial Scholarship. During the school year, he maintains contact with his parents who are both licensed amateurs.

Marc has completed one year at the University of Illinois where he is pursuing a Liberal Arts and Science course with a major in Communications. During the past year he has worked part time as a Broadcast Engineer at WPGU-FM. His QCWA sponsor was Harry A. Turner, W9YZE (QCWA # 4186).

This year the Foundation administered ten scholarships - two more than last year. There were 121 applicants from 31 states. Thirty-five percent of the candidates were sponsored by a QCWA member. There were no qualified applicants who were seeking graduate degrees.

The Foundation is pleased to cooperate with QCWA in assisting such deserving radio amateurs of whom we can all be justly proud.

73.

*Hugh A. Turnbull*

Hugh A. Turnbull, W2ABC  
Chairman, Scholarship Committee

cc: W2GHK  
W5EJ  
WØGFP



NOMINATING COMMITTEE REPORTS

Mr. Ed Webb, W9IPO, Chairman of the Presidents Nominating Committee, has issued his report of Candidates nominated to the slate for the 1983 elections. Those who have signified their desire to serve and their willingness to take part in QCWA meetings and accept the duties of office, if elected, are:

OFFICERS

For President	- Stuart Meyer, W2GHK	incumbent
For V. Pres.	- Leland Smith, W5KL	incumbent
For Treasurer	- Wes Randles, W4COW	Incumbent*
For Secretary	- Max Arnold, W4WHN	Incumbent*

DIRECTORS

For Director	- George Apfel, W2GHV	
For Director	- Harry Dannals, W2HD	
For Director	- Ero Erickson, KA9DYS	
For Director	- Esther Giben, W6BDE	
For Director	- Gordon Henry, W7RIR	
For Director	- Ron Hesler, VE1SH	Incumbent
For Director	- Wade Holland, W4AZT	Incumbent*
For Director	- Gerhard Jacoby, DL3ME	Incumbent*
For Director	- Lew McCoy, W1ICP	
For Director	- Leo Meyerson, W0GFQ	Incumbent
For Director	- Art Miligan, W8KW	
For Director	- Sam Moses, W1ASD	
For Director	- Hal Sears, W5NC	
For Director	- Ethel Smith, K4LMB	Incumbent
For Director	- Jim Walsh, W7LVN	

\* Appointed to fill unexpired term of Officers or Directors who had resigned their office.

It should be noted that the Nominating Committee has the responsibility of providing a slate of candidates. Where possible, more than one candidate for each office has been named. Members as a whole may, and are urged, to name candidates for each or any office, by petition. A valid petition is one having signatures of at least 50 QCWA members in good standing. The petitions must be completed and sent to the Secretary of QCWA so that he will receive them by December 31, 1982.

ALL CANDIDATES MUST GET PICTURE & BIOGRAPHICAL MATERIAL (250 WORDS OR LESS) TO HEADQUARTERS NO LATER THAN MARCH 5, 1983. PICTURE 2 x 3 INCHES IF POSSIBLE!

- Ed -

IN ONE OF ITS ACTIONS, THE BOARD OF DIRECTORS HAS ELIMINATED CHARGES FOR THE QCWA GOLDEN CERTIFICATES. THERE IS NO CHARGE FOR ANY OF THE CERTIFICATES. THEY WILL BE AWARDED ONLY UPON PROOF OF ELIGIBILITY, AND SUBMISSION OF AN APPLICATION FORM (AVAILABLE FROM HQ OR YOUR CHAPTER). THIS ACTION BECAME EFFECTIVE ON OCTOBER 1, 1982.

FUNTEST ANSWERS RECEIVED

CALL	No. 1	No. 2	No. 3	No. 4	No. 5
W4UQ	1/6 1/4*	90, 45	18 QT	18.65 dB	61.25 0
W2CSN	1/6 1/4*	90, 45	18	37.31	61.25
KD0J	1/6 1/4*	90, 45	18	37.1	61.25
W5TVU	1/6 1/4*	90, 45	18	37.3	61.32
W20UX	1/6 1/4*	90, 45	18	37.3	62.43
W3EPR	1/6 1/4*	90, 45	18	37.3	62.43
W1DO	1/6 1/4*	90, 45	-	-	61.27
W2SFW	1/6 1/4	-	18	37.3	61.25
W2WAM	1/6 1/4*	90 45	18	37.3	61.25
K5AC	1/6 1/4	90 45	18	37.3	63.6
W1KUL	1/6 1/4*	90 45	-	18.65	61.25
W0KL	1/6 1/4	90 45	18	37.3	61.25
AF4W	1/6 1/4*	90 45	18	37.3	61.25
W5EXI	0 0	90 45	21	37.3	61.24
W2BDE	1/6 1/4*	90 45	18	37.3	61.25
K6LKL	1/6 1/4	90 45	17.3	18.65	61.23
K9GDF	1/6 1/4*	60 60	18	37.3	63.6

\*Correctly indicated 1/6, 1/4 and -1/6, -1/4.

See Page 95 for comments on the FUNTEST column....

QCWA BOARD ADOPTS NEW DUES STRUCTURE

In an effort to establish a sound financial position and to insure QCWA can maintain its level of service while continuing to enlarge its horizons, the Board of Directors considered the costs of doing business, projections of what appears to be inevitable increases in the cost of everything we buy, and came up with the schedule of costs below.

No one likes to increase costs...but the last increase in dues was made in 1979, and our costs have risen more than 30 percent since that time. The Board questioned the analyses of the General Manager very sharply, and after a long and detailed study, arrived at the best possible compromise presented in the schedule.

The existing dues structure remains in force until January 1, 1983....in the event, for any reason at all, that the Fall issue of QCWA NEWS is delayed a few days, the actual date of publication will be the date from which at least 60 days will pass before the newly adopted dues schedule goes into effect. For all practical considerations it will be January 1, 1983.

NEW DUES STRUCTURE

Members residing in the U. S., having a mailing address and US Zip-code:

Regular Membership, 3 Years	\$25.00
Regular Membership, 2 Years	\$20.00
Regular Membership, 1 Year	\$12.00
Life Membership	\$125.00
Life Time-Pay Membership	\$135.00*

\*Three equal payments of \$45.00 within one year.

Members residing in the Canadian Provinces:

Regular Membership, 3 Years	\$34.00
Regular Membership, 2 Years	\$26.00
Regular Membership, 1 Year	\$15.00
Life Membership	\$170.00
Life Time-Pay Membership	\$180.00*

\*Three equal payments of \$60.00 within one year.

International Overseas Members:

Regular Membership, 3 Years	\$17.00
Regular Membership, 2 Years	\$15.00
Regular Membership, 1 Year	\$10.00
Life Membership	\$85.00
Life Time-Pay Membership	\$95.00*

\*Three payments, \$35; \$30 and \$30 within one year.

Family Memberships:

Regular Membership, 3 Years	\$10.00
-----------------------------	---------

The above fees are for renewal of membership. For all New Members an additional \$3.00 non-recurring initiation fee is required with the application for membership.

The price differentials are brought about in the main, by differences in services provided and their costs. Canadian and Mexican members (same rate structure) will receive the QCWA publications, sent essentially airmail, with material packaged in accordance with international postal regulation.

International members will not receive QCWA publications in the strictest sense, but will receive once each three month interval, a copy of QCWA's Hotline Report, via airmail. This limited mailing was deemed necessary to keep our International members advised of QCWA activities.

Family Members will not receive publications but will in all other respects participate in QCWA. They will receive a ballot for all elections.

It should be brought out that those who opt for Life Time Pay membership and who do not complete their payments within the prescribed one-year period, will, after due notice, have all moneys received credited to their account so as to extend their regular membership in QCWA at the lowest rate in effect at the time of default.



### DALLAS CHAPTER (41)

The Dallas Chapter hosted a get acquainted booth at the June 4 - 5 & 6th Hamcom...in the 'inside' air conditioned flea market. The booth was attended by Chapter 41 members including W5EJ, W5CJZ, W5OGZ, W5HYK, K5DM, W5PCY, W5LUN, W5YYC, W5ATM, W5GOO, W5VOX, W5CNI, W8EEY, W5BCW and KB5EJ.

The Chapter's regular meeting at Wyatt's, was attended too with transportation provided by Joe, W5III, Bob, W5HYK, Walt, W5OGZ, Barney, W5CJZ, Carroll, K5DM. Twenty members took time out from the convention to attend.

At the Hamcom, Dallas Chapter signed up 14 new members and brought in ten renewals. Over 100 visitors signed the visitors register.

On Sunday morning, June 6, four sweet and wonderful young ladies sponsored the Chapter 41 Hospitality 'Coffee'. They are shown below, L-R are: Melva (W5ATM), Sarah (W5III), Cindy, W5ZPD and Ginger (K5DM).



The picture was taken by Carroll Smith, K5DM. Carroll, one of Dallas Chapter Directors, passed away on the day the picture was taken.

- Frank, W5ATM -

### FLORALA CHAPTER (84)

The annual business meeting of the Florala Chapter was held on March 22, 1982 in conjunction with the NW Florida Swap-fest, Fort Walton Beach, FL. The meeting included election of Officers and a Presentation by John Zwaska, W4WKQ, entitled "What Ham Radio Means to Me".

Newly Elected Officers are:

Sam Galloway, W5RHE, President  
John Lakin, W4MMW, Vice President  
Bob Miller, WD4FSC, Scty/Treasurer  
Hap Oliver, WB4HMQ, Chaplain  
Babs Corey, W4HYV, Historian  
John Zwaska, W4WKQ, Coordinator

The meeting was attended by 21 members and guests. John's presentation was well received and the meeting and fellowship was enjoyed by all.

- Bob, WD4FSC -

### PALMETTO STATE CHAPTER (89)

This report excerpted from Chapter News tells of the July 24 meeting attended by some 70 members and a few who could not be classified. QCWA'ers from Georgia, both Carolinas & maybe a few furriners.

Cecil comments "things happen very fast in QCWA, don't take a long coffee break or you will miss something." How true! At the time of the meeting much work was being contemplated regarding nomination and election of Wade, W4AZT, to the QCWA Board of Directors. Cecil didn't know how true he was speaking - Wade was named, by the Board, at Nashville, to serve out the term of a director who resigned!

- Ed.

### LONG ISLAND CHAPTER (81)

The annual picnic of LIQCWA has passed for another summer with a fine turnout as shown in the photo below, those in the pix, L-R, front row are: W2BSP, Alice, Kitty, W2UAL, W2AY, N2AOX & Kathy. In the rear, L-R, are: W2HVD, W2AVI, K2KM, W2AIQ, K2KO and W2AUF, who took the pix and got in it too.



The August weather was magnificent and vastly different from 1981 when the monsoon rains washed out the affair. Highlight of this picnic was the performance by Mike Orofino, W2KO, of country and western favorites on his trusty guitar.

- Bob, W2FRX -

### COLORADO CHAPTER (58)

Installation of Officers and Board of Directors of Colorado Chapter 58 was held May 18, 1982. The main event was the usual steak dinner that is customary at Western Sizzlin!

There were 76 Ops and xYLs at the dinner to provide a good rag-chew and eyeball for everyone. The Chapter now has 109 members for 1982/1983. This total now includes more than 19 Life members.

The Chapter is looking forward to hosting our National QCWA Convention in 1983. Plans are already being formulated for that activity.

Colorado Chapter has two Sunday Morning nets..(1) on 3905, at 9AM for outlying members and the (2) at 9:30AM meets on 07/67. Visitors in the area are definitely encouraged to check in.

The Rogues Gallery below shows the Chapters Officers and Directors, L-R, they are:

Lou Harrington, W0LM, Director  
Al Mills, W0YFJ, Director  
Bob Jensen, W0WLN, Vice President  
Rudy Fleischer, W0NST, President  
Lu Oldham, W0ZJ, Director  
Hal Beaver, W0LYB, Secretary/Treasurer  
Sol Abramowitz, W0WSK, 1983 Convention Chairman





## NORTHWEST CHAPTER (4)

QCWA's NW Chapter had a fine meeting on June 19, 1982...Doc, W7OS gave a bit of history. Herb, K7LYT, was elected Vice-Chairman. It is the Chapter's rule that the Vice Chairman be elevated to Chairmanship the following year. Ray, W7FNC, was installed as Chairman for 1982-1983. He requested all NC's and Committee Chairmen to continue. Following the banquet the meeting was turned over to John, W7A0B for a talk on old times and a demonstration. Everyone turned outside of the Holiday Inn at Fife, WA for a pix. Shown below are those in attendance.



Pix by W7ACP

Front row: W7AZR, W7GR, W7SFO, W7GRM, W7PN, W7DJ, W7A0B, W7FON and W7ACP. Middle row: W7AZI, W7NJS, W7LCS, W7BWG, W7SFT, W7FNC, W7OS, W7BQG, W7CA, W7SVV, KA7APK. Back Row: W7PK, W9IZO, W7CWN, W6LXP, W7DSB, W7IC, W7BCT, W7HF, WB70TY, W7GQZ, and W7ADT.

- Hal, W7PN -

## CENTRAL VALLEY CHAPTER (99)

More than 50 persons met in the first ever Joint Meeting of QCWA Chapter 99 and the Central California DX Club. CCDXC President, W6KPC, opened the meeting by introducing Earl Warford, W6MEL, for an invocation, after which all enjoyed a very good meal. Following the meal, W6KPC asked all to introduce themselves and their guests, then turned the gavel over to W6BVM, President of QCWA Chapter 99.

W6BVM introduced our special guest, Dr. Mert Moser, W6HS, who made a brief talk then showed a fine sound-film of the Pitcairn Island. As a part of the program, Jules Wenglar, W6YO, showed some slides, with narration, continuing the Pitcairn story.

Those attending from CCDXC were: KD6QA; WA6UOR; W6BYH; WD6AAC; K6PKO; W6EKQ and xyl, Barbara; K6XJ; W6BW & xyl, Ruth; W6UZ & xyl Enid; K6TX; W6OV; W6MND; W6DPD; W6XP; N6DTB; W6BVM; W6GR; KD6BE & xyl Jean; W6MEL; W6YO & xyl, Lila; WD6BLH; W6BJI.

Those attending from QCWA were: K6APE & xyl Evette; W6RUJ WA6UOR; W6BYH & xyl Ethel with grand-daughter Cathie and her husband Kieth; W6KPC & xyl Dorothy; N6HB & xyl Ann; W6VMB & xyl; W6UZ and xyl Enid; W6FHC; W6HYK with daughter and friend; W6OV; W1CTN & xyl Marian; WB6UGB; W6BVM; W6DCE; K6REZ & xyl Jackie; W6MEL; W6YO & xyl Lila.

Norm Wilson, N6JV, NCDXC was a visitor and Dr. Charles A. Moser, W6HX, with his wife, from Mission Hills, a member of Southern California Chapter and SCDXC.

A special note was made recognizing Dick Kemp, W6OV, who was very instrumental in organization of Chapter 99 and who was its first President. Dick is moving to Southwestern Idaho and will be leaving the Valley in the early summer...

Our choice of the date and location of the meeting was motivated by the fact that the Annual Fresno Hamfest occurred on the same weekend! The weekend was warm (100) but the meeting room was cool and comfortable. Thanks to W6DPD for making the arrangements for this wonderful joint meeting.

- Leon, W6BYH -

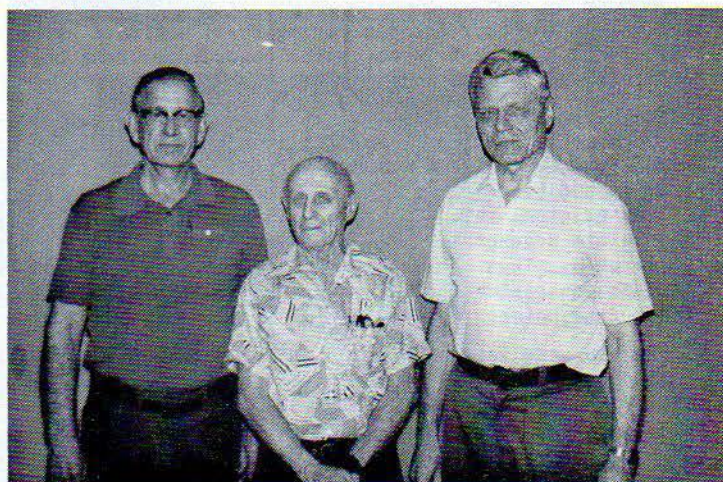
## COASTAL BEND CHAPTER (101)

Coastal Bend 101 is enjoying good health and growing even during the hot summer. Between 40 & 50 members are attending the bi-monthly meeting held at noon the first Tuesday of alternate months, September, November, January, etc..... The meetings are held at the Sizzler Steak House on the seawall in downtown Corpus Christi. Visitors are welcome!!

The annual election of officers was held on July 6th and the present slate were re-elected for another year. They are pictured below, L-R: Joe Barr, W5GMT, Sec/Treasurer; Paul Belian, W5DYV, President; Henry Binz, W5HQ, Vice Prez.

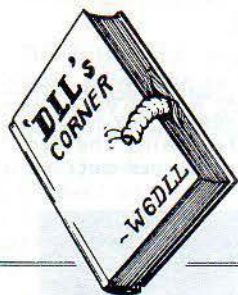
The certificate acknowledging the Chapters participation in the QCWA scholarship fund was displayed and the membership is very supportive of this effort.

Gibby Gibson, KB5IM, was introduced as the chapters newest member and the presence of several visitors was also acknowledged.



- Bob, W5GEL -





**Old Business:** A number of readers have written about difficulty in finding RADIO'S 100 MEN OF SCIENCE by Dunlap. I have traced it down. It appears that the rights to several books about radio including this one, were sold in group to Arno Press, 3 Park Avenue, New York, NY 10016. I think that if you will contact them, you will have no trouble in obtaining the book. It must be so as I have given the same information to all who wrote asking each that I be notified if it didn't work out and have received no complaints. The book is quoted at \$25.00 (Hardback only).

**New Business:** We commence with a jim-dandy of an amateur radio license manual by a QCWA member published by no less than McGraw-Hill. We conclude with a gripping sea adventure which might be mistaken for non-fiction.

AMATEUR RADIO, Robert L. Shrader, W6BNB (QCWA #13090), McGraw Hill, NY. (23 et al's), 1982, 340 pages, numerous illustrations, some mathematical tables, index.

As indicated in a previous issue, we have another book by Robert L. Shrader, W6BNB. This one is right down our alley. I have been through quite a number of license-preparation works; this one, in my opinion, is one of the very best. (Later reading here will show that I may not be completely unbiased). This book goes from an interesting introductory account of the nature and history of Amateur Radio (remember, you must read this from the viewpoint of a neophyte) together with a listing of the different classes of licenses along with the privileges and requirements for each all the way to ATV and EME.

If you do not feel like reading through the play-by-play which follows--although I hope you will--please skip to the Summary at the conclusion of this review.

The technical meat commences with elementary block diagrams of typical amateur stations and a tabulation of the frequencies available to each license class and the emission types permitted.

From this point, the book moves at a carefully regulated pace--a point which most books muff badly giving an exhaustive treatment of one subject and whizzing by others at a dead run. D-C circuits, alternating current, reactance and reactive elements, series circuits with reactance and resistance, are handled quite completely. One might regret that somewhat less attention is devoted to parallel combinations which are, by far, the more troublesome. The same comments go for series and parallel resonance.

Electron devices, both vacuum and solid state are covered in Chapter 6. Mr. Shrader has chosen to deal in terms of electron current rather than conventional current. As these two are presumed to flow in opposite directions, a minor amount of confusion may result in some cases. The use of electron current considerably simplifies the understanding of vacuum tubes. It is a little less useful in solid-state devices where, in some cases, hole movement in the opposite direction may be assumed. This is not a terribly large stumbling block, but it's the best I can do for a major criticism. Even so, I can understand the reasoning behind Mr. Shrader's choice, because I struggled with teaching such things in Radar schools during WW-II and must agree that electron current is an easier concept for rank beginners to grasp.

The chapter provides useful information on a great variety of electron devices. Missing from the dissertation on screen-grid tubes is mention of the fact that the screen grid, in addition to reducing grid-plate feedback--which was the original intent of the designers--also greatly reduces plate degeneration by shielding between the plate and the cathode. This enables one to realize almost all of the  $G_m$  of the unshielded triode. Again, we are dealing with a rather fine point.

Following the introduction of electron devices, is the chapter on power supplies including a good treatment of voltage regulators to go with them.

Amplifiers of both the untuned and tuned types are covered in Chapter 8. Shrader has done an excellent job in using vacuum tubes, bipolar junction and field-effect transistors intermixed in his illustrative examples. This presentation should go a long way toward reducing unwarranted

preference for a particular device--which in the case of many amateurs (engineers also)--amounts to hardshelled prejudice.

As we would expect, oscillators follow. Surprisingly, this chapter contains the only explanation of how a spark transmitter works that I've seen in print almost since the days of Mary Loomis. As a means of communication, they are only of historic interest, but we might be well advised to know that man-made QRN is generated in precisely the same manner. The chapter covers all of the popular oscillator circuits. It concludes with a short section on phase-locked loops.

C-w transmitters follow oscillators. Various configurations are shown in block diagram form. Both on-off keying and FSK are noted. Some schematics in quite general form are included. There are sections on heterodyne transmitters and an example or two of transceivers.

Chapter 11 on C-w receivers is adequate for a functional understanding. Some attention is given to AVC and other niceties--possibly more to show what is possible than how to do it.

Chapter 12 on Radio Waves gives a reasonable idea of how the fields are distributed and the direction of radiation. Why this should occur and how, are, of course, beyond the reach of the student at this phase. However, the treatment of long-range communications involving the ionosphere is one of the high points of the book. Many books have devoted whole chapters to what Mr. Shrader has covered in five concise pages.

It seems only natural that antennas should come immediately after Radio Waves. And so they do--chapter 13-- 24 whole pages. Antenna configurations, feed techniques, advantages and shortcomings, VSWR in both analytical and illustrated form, matching devices, dipoles, rhombics, loops. You name it; he has it.

The book next treats amplitude modulation in a comprehensive manner. Various modulation techniques are shown. Side bands are introduced. I might pick a small nit on one point in this regard. It would be possible to read section 14-3 to indicate that non-linearity is required (which is only one possible mechanism) to generate new frequencies. A more general statement would be that multiplication of instantaneous voltages or currents is required. Non-linearity is the most common method by which this is accomplished, but not the only one. If I did pick the nit, it would be a very small one. Linear amplifiers are included in this chapter.

The chapter on SSB (15) describes the two most popular methods of generating SSB signals. A section is included on NBVM.

FM succeeds SSB. Both direct FM and by use of PM are discussed, although the direct method is covered more thoroughly. Some readers might desire that the relation between FM and PM be explored more thoroughly feeling that the book is deficient in this regard. This is hard to do, however, without resorting to mathematical notation which it would appear the author tried to avoid wherever possible. His illustration of how the frequency is temporarily changed during the time that a non-frequency-determining circuit, e.g., the antenna circuit, is being tuned is perhaps the best that can be done within the scope of the book.

This really concludes the story of practical Amateur Radio, however chapters on measuring devices, digital sys-



## DLL'S CORNER

tems, advanced and exotic modulation, T.V., RFI, operating procedure and rules and regulations finish off the book.

Author Shrader has developed a very fine classification system for the relevancies of the sections of his book. The paragraphs are each preceded by a printer's box containing grouped letters and numbers. The letters are N, G, A and E standing for Novice through Extra (General and Technician are lumped together). The numeral following each refers to the appropriate end-of-the-chapter question. If there is an easier way to know which sections one should emphasize in his pre-exam studies, I have yet to see it.

Actually there are two grades of questions in the book. Mixed throughout the chapters and at the end of each are checkup questions. The answers to these appear a few pages further along. At the end of each chapter is a list of "Amateur License Questions", again segregated by license class. These bear more directly upon the examinations.

**SUMMARY.** On the whole, the book is solid, complete and right to the point. For QCWA members it is probably a little elementary, but for the nth generation of junior ops in your family, it is just what the doctor ordered. Errors? Very few. The only one I can remember is that the top box in fig. 4-12 (b) should read 25 -j30.

We have reviewed quite a number of "how to" books. Until now, it has been only speculation on my part about the adequacy of the instruction. We would have had to build a whole telephone system to check on David Talley's books on telephone equipment. To test Crisis Investing, I would have had to hit HQ up for at least a quarter million which I felt was a little steep and besides I am not positive that HQ would have advanced it. The case of Mr. Shrader's book is quite different. This one works. I know. I tested it. On the 55th anniversary of my first license--precise to the day, I added "/LB" to my call and moved down to 14,007. Thank you, Mr. McGraw. Thank you, Mr. Hill. Thank you, Mr. Shrader. I would never have made it on my own.

**STORM WARNING**, Jack Higgins, Bantam Books (by arr. with Holt, Rinehart and Winston), New York, several printings, 276 pp, \$1.95.

**STORM WARNINGS** awakens memories of adventure stories of a long-ago age. This is the ancient tale of men fighting stiff, wet canvas with bleeding hands high above the flooded deck of an over-age vessel lurching through mountainous seas. You can feel the icy wind tearing at your soaked clothing. The storm episodes are ones that you can almost live with your own senses.

But read the chronometer again. Check the date in your nautical almanac. The year is 1944 and the month is September! How and from whence arose this anachronism? What placed this makeshift vessel and its small company out of their proper place in time? Wars, circumstances, coincidence and human nature have mixed a hodge-podge of missorted elements into a wholly credible total. So well has this been done that I'm sure you'll agree with me that this might have happened--just didn't, which I regard as one of the critical tests of a book.

Mr. Higgins writes vividly and knowledgably of ships and the sea. So much so that it was a real surprise to lay the book aside and discover California sunshine outside. But on this alone, professionally and capably as it has been done, the book would not merit the wide readership that it has enjoyed. Beyond the stark backdrop against which the story is laid, Mr. Higgins has a powerful story to tell. In the fullest fury of the weather, human beings are tested. The testing concerns the conviction of a much too elderly lifeboat crew that duty transcends nationality; the conviction of the entire population of an island that the life boat service must go on even if it costs all of their own lives.

For gripping as the setting is, the story is really about human beings; about their courage and unbreakable determination; about their fierce and prideful loyalties; about their honor and trust. Perhaps, above all, it is about

compassion.

If you read as a sedative before going to sleep, forget about this one. A substitute for Valium or Seconal it is not. If you want to really stir yourself awake and, even from an armchair, live a roaring adventure--ah, that's the time to take on Mr. Higgin' **STORM WARNING**.

## NORTHERN CALIFORNIA (11)

President Norm Buell, W6SJH, requested members of the Chapter to vote on proposed changes to the Chapter Constitution and By-Laws. Changes proposed will, if adopted, tend to make the Chapter's articles comply more closely with QCWA's National Constitution and By-Laws.

A new Roster of Chapter members has been distributed to all members.

The following new members to the Chapter are warmly welcomed:

Millard C. George, K6ZRY  
Paul F. Dexter, KC6O  
M. Belmessieri, W6PSV  
Bruce E. Durbin, K6THC

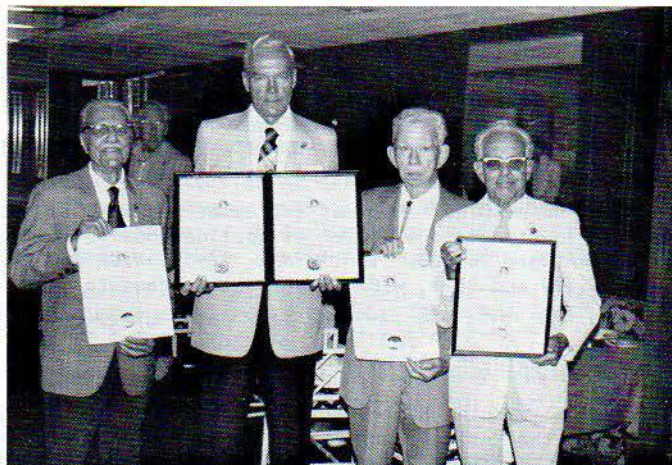
and, QCWA Golden Certificates for 60 Years have been issued to Dr. Ed McLean, K6UR and Les Wandel, N6XU.

It was reported that Lon Hildebrand, W6QUE, who is 90 years of age, will soon have a new pacemaker and enjoying better health.

Jack Harton invites all members to use the 220 MHz repeater on Black Mountain...224.28/68. Call is WA6GFY/R and is the property of Lockheed ARC.

- Russ, W6AUC -

Below, 280 Years in Amateur Radio are represented by QCWA members, L-R; Frank Anzalone, W1WY; Harold Kane, W2AHW; Robert Scruggs, W2FRX; Bernhard Stahl, W2HL and Ralph Hasslinger, W2CVF....At the Happy Hour, Tarrytown, N. Y., in June, 1982. Congratulations to each of them!



From Ralph Shepard W2YZS, the picture at left, showing a chair cushion made by his wife some years ago. Worked around the edge in dots & dashes is the message - - - "Happy Birthday Ralph 1967."

Ralph sent the pix to us after seeing Beth Taylors knitted Sweater in QCWA NEWS recently.

- Ed -



YANKEE CHAPTER (112)

The following, excerpted from Chapter news...Onie, WIZEN, issued a message to members following her election to the presidency of the Chapter. It was reported that membership is standing at approximately 180 members!

The Chapter has suffered real losses in the passing of two loved members: Eunice Randles Thompson, WIMPP, became a silent key on March 24, 1982. June R. Burkett, WIVXC, passed away June 11, 1982. The Chapter extends its deepest condolences to the families.

Yankee Chapter QCWA net starts at 8:30AM, Sundays on or near 3903. The CW net on Wednesday evenings, 7:30PM on 3645 kHz. Everyone is welcome!

----- Onie, WIZEN -----

TREASURE STATE CHAPTER (104)

The fifth Annual meeting of our Chapter was held at the three-forks camp ground on July 17, 1982.

A discussion was entertained by the Chair directed toward support of the QCWA Memorial Fund. The Chapter voted to disburse twenty-dollars from the treasury as a memorial to Jim McKenna, VE6HO. Others made gifts, among them were: W7BXL, W7JMX, K7GL, W7PX and W7LIX. Among other actions was election of Officers. Nominations were made and after regular election railroading the following were elected:

Ken Johnston, W7LIX, President  
John Bielenberg, W7BIS, Vice President  
Les Blewett, W7010, Historian  
E. Phil Coulter, W7PX, Scty/Treasurer

Directors elected were; Orval Hill, W7DB; Ian Elliott, W7JMX; Art Jacques, W7B0Z and E. Leonard Groves, VE6VN....

Twenty-three were present along with several guests. A hearty welcome is issued to Len Groves and Billy Barron, our latest members and to Harold Ward, K7JZ0, who applied for membership in QCWA.

President Ken made a presentation of a 50-Year Golden Certificate (continuously licensed), several 50 Golden and one 60 Year Golden. Those honored were: Golden 50, W7LIX & VE6E0, W7BIS & W7BXL each received the Golden 50 and the Golden 50 continuously licensed. W7PX was awarded the 60! W7BKB, not present, was also given the 50-Year.

A banner and display table was set up at the WIMU hamfest at West Yellowstone and a number of applications for membership in QCWA were issued. Ian, W7JMX, Orval, W7DB and Leonard, VE6VN and Phil, W7PX, represented Treasure State Chapter 104, at the event.

----- 73 to all, Phil, W7PX -----

NORTHERN CALIFORNIA CHAPTER (11)

Northern California Chapter held its annual picnic on Aug 29, 1982, at the Marin French Cheese Company picnic ground in Marin County. There were seventy-three in attendance, including many wives.

Chairman for the picnic was Jim Lisk, K6BU, and he was assisted by Jerry White, WB6IZE, who provided a speech amplifier that could be heard by everyone!

Activities included election of Directors for three year terms. Those elected to office were:

Walter Hinck, W600W,  
Harry Loretz, W6GWW,  
Hugh Turner, W6SCV.

The new directors will take office January 1st, to assist the three remaining directors, Norm Beuell, W6SJH; Jerry White, WB6IZE; and Jim Lisk, K6BU. Russ Estep, W6AUC will continue to serve as Secretary/Treasurer of the Chapter.

The Chapter's next event will be a breakfast at 9:30 AM, on November 13, at Spences Restaurant, in Berkeley. Our speaker will tell about direction finding. He will be our former President, Bob Franklin, K6TP.

----- Russ, W6AUC -----

TREASURE COAST CHAPTER (48)

Treasure Coast Chapter held its spring meeting in conjunction with the Vero Beach Hamfest on Saturday, February 20th, 1982. There were 72 hams and wives in attendance.

Karl Gansler, W4PSG was re-elected Chairman and Jerome Dewalt, W3BL, was elected Secretary/Treasurer.

At the meeting, Frank Butler, Jr., W4RH, Southeastern Division ARRL Director, gave an informative talk on new regulations. Also attending were Edward Tilton, WIKDQ, and his wife.

A 60 year certificate was presented to Creed Chorpeneing, W4TZ, formerly 8WR (1921). He was Vice President and Director of Research for Astatic Microphone Company and was responsible for the long famous D-104 Microphone. He is shown below, at right, accepting the Golden Certificate.

Treasure Coast Chapter Luncheons are held every second Thrusday at the Sheraton Regency Hotel, Vero Beach. Visitors are welcomed.



----- Jerome, W3BL -----

NOVA CHAPTER (91)

Forty members & guests attended the summer luncheon meeting at Valle's Steak house, Springfield, VA on August 7.

The Chapter voted to make annual contributions to the QCWA Silent Key Memorial Fund from money collected at regular Chapter meetings.

Ethel Smith, K4LMB, QCWA National Director, founding member and first president of YLRL, presented a talk on the history and growth of YLRL and of many prominent YLs in Hamdom.

Recent awards include a "50 Years Continuously Licensed Certificate to George E. DeVilbiss, W4EV (shown at left, below, receiving the certificate from Buddy Smith, W5YE), and, a Golden 50 Certificate to Manuel Botelho, W3NNA.



----- John, K4AHS -----  
Volume 31, No. 3



70th ANNIVERSARY AWARD - #6

George Sterling, WIAE, Honorary & Life Member of QCWA was presented his 70th Anniversary Golden Award by the National Treasurer, W4COW, at a joint QCWA luncheon meeting of Pine-Tree and New England Chapters, on June 5th. On presentation, George was given a standing ovation by the 77 members and guests present.

George was born June 21st, 1894, on Peaks Island, Maine, making him 88 years old this month. He was licensed as IAE in July of 1912, when he took his examination at the Custom House in Portland, ME. He held many positions with the Federal Radio Commission and the FCC, up and including FCC Commissioner and was the only member of the FCC to hold an Amateur Radio License. Our congratulations to George, on becoming one of this select group.



In the picture, George, WIAE, is at left, Wes, W4COW with the Golden Award.

- Onie, WIZEN -

CITRUS CHAPTER (45)

Meetings are held the third Saturday of each month at Duffs Restaurant, located at the junction of SR 436 & SR434. The lunch is all you can eat for \$3.35. Meetings are most interesting. We have instituted a Show & Tell. Every member of QCWA has some old equipment around and this gives our members a chance to share it with us. The July meeting had Chuck Bolvin, K4KQ, demonstrating a fifty-year-old fieldday rig to us.

Our repeater is back on the air and better than ever. If you are in town call us on 147.225/825, we have a net on every Tuesday & Thursday evening at 7 PM. Usually there is a gang on in the mornings at 11 AM. George Mitchell has been acting as Repeater Manager in Bills (W4PI) place while he has been recuperating from his trip to the hospital.

Chapter Officers for 1981 were continued into 1982/83. We expect to see them doing the same great job. Membership has been on the upswing and in spite of hot weather and a lot of vacations, we have been having nearly 50 at each of our meetings. Al Huber, KC4CT and wife, Sandy, N4FJD, were visitors at the June meeting. Al is President of the Orlando Amateur Radio Club...he brought us up to date on the Orlando Hamcation, to be held March 18-20, 1983.

The Chapter acted to support John Bonomo, WA4OPA, for EC for Orange County...remember our meetings, y'all come and join us for lunch.

- Bob, W3SOB -

EL PASO CHAPTER (64)

Everything is going fine with El Paso Chapter 64. We are still adding new members. Please add our On-The-Air net to the listings. It is called the "El Paso QCWA Round-up" and meets every Saturday morning at 8:30AM local time on 3935! W5NPI is NCS.

- Owen, W5VVB -

QCWA AKRON CHAPTER No. 39

On July 28, 1982, the Akron Chapter held its 1st Annual Picnic at Water Works Park in Cuyahoga Falls. The clear cool weather was excellent for this enjoyable cookout and covered dish dinner which was attended by twenty-nine members and guests. Sammy Carr, W8UGF, was in charge of the cooking.

A short business meeting with Bill Hessler, W8DXT presiding, was held following the dinner. Our next meeting will be held on October 28, 1982.

- Tom, K8WFH -

LAKE ERIE TRI-STATE QCWA CHAPTER (122)

The spring meeting was held April 17 at Pape's Restaurant in Conneaut, OH. Thirty-seven members and guests updated news of personal events after the severe winter. With deep regret, we announced the passing of one of our Charter members, Willis Krause, K2ZYX, on March 30, 1982.

New members in the Chapter are:-Henry Schultz, Jr., KA3GXP; Robert Brown, N8DFY; Ralph DuVse, WB3GVQ; Frank Bernato, W8OXC; Lloyd Staebler, KB3UK and Harold Bolkey, W3KHQ. The Chapter membership now stands at 58.

There was an informal LETS meeting in the restaurant at the Northwest Pennsylvania Hamfest, May 1, in Meadville, PA. A group of 22 members and guests signed in at our QCWA booth.

- Paul, W3QPP -

SOUTHERN CALIFORNIA (7)

Saturday, October 23rd, was the date of the Fall Luncheon at Taix French Restaurant, 1911 Sunset Blvd., Los Angeles, with serving scheduled for one PM.

The August 15th summer picnic was enjoyed by 45 on a spectacularly beautiful day at the tree-shaded grounds owned by Oka Steward, W6CAR, in Topanga Canyon "between the city and the sea".

The new net on 146.805(-)MHz conducted by Bill Hawley, W6ZRZ, is flourishing Sunday mornings at 10; the long-standing nets run by Herb Gleed, W6FQ, and Norm Hinkel, K6BA, continue to be popular.

Ralph Cabanillas, W6IL, reports the Chapter membership now tops 400!

In the photograph below, Southern California Chapter members receive 60-Year Golden Certificates at the 1981 Fall dinner meeting, Petroleum Club, at Long Beach. Herb Becker, W6QD, Internationally known DXer (left) and Clate Blake, W6AGK, Past President of Southern California Chapter (right) accept Awards from Chapter President Bert Ayers (center). Photo by Irv Emig, W6GC.



- Lenore, W6NAZ -



WISCONSIN CHAPTER (55)



Chapter 55 convened its Spring Luncheon at the Ramada Inn, Madison, Wisconsin, at 11:30AM, June 5th. 93 Members and Guests were present for attitude adjustment, eyeball QSO's and general gemütlichkeit. The group sat down to a family-style meal of chicken, steak and all of the trimmings at 12:30PM....thoroughly enjoyed by everyone. After the meal, a drawing was held for door prizes after which the Ladies retired for their activities.

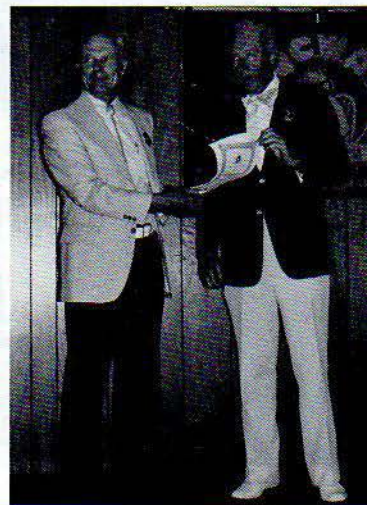
Chairman Harv Hamer called the general meeting to order at 2:15PM with 45 members present, starting off with an introduction of new members and guests. Minutes of the previous meeting were read by W9NZF, Secretary, which were approved as read. W9JK gave his Treasurers report showing a balance on hand of \$1006.36, as of June 5th. He also reported that the account was converted to an "interest bearing" NOW account. Jack also reported 149 members in the Chapter, as of June 5th, 143 as of this time last year. A list of new members was presented to the membership, and the current list of Silent Keys was acknowledged with a moment of silence by those present. K9GDF was introduced as a new member, and possibly as the youngest member of QCWA...certainly, the youngest of Chapter 55.

Under old business, certificates, stickers and applications were discussed. The Secretary pointed out that all requests for certificates be mailed to HQ no earlier than 90 days prior to the Anniversary date. Also, to include with the

1st letter, all evidence of the qualifying date. The meeting was recessed to permit the Directors to meet to discuss plans for the October meeting, election of Officers and the appointment of a Nominating Committee. The meeting was re-convened by the Chairman and a general discussion, suggested by W9TQ, on the subject of how the selection of a meeting place was accomplished. The by-laws clearly state that it is the responsibility of the Directors to do this at each Spring Meeting. The first choice was announced as Green Bay, coordinated by W9VOW, with Wisconsin Rapids being the second choice, coordinated by W9IHW, if necessary. A general discussion was held on the subject of a donation to the QCWA Memorial Fund. Last year it was left to the members discretion. It was moved & seconded that the Chapter donate \$100 from its treasury to the Fund.

The Chairman called for volunteers for the Nominating Committee, to select candidate for the position of Director, to replace those whose terms expire in 1982. W9YCV, W9EDS and W9FPA were appointed to the Committee. Nominations from the floor are to be accepted.

above at left, Erwin Beneditz, W9IZG, is presented his Golden Certificate (50) by John La Blonde, Vice Chairman of the Chapter. At the right, Raymond P. Brehm, W9AJH, is receiving his Golden Certificate (50) from Fred Linn, W9NZF, Secretary of the Chapter. Pictures by W9OFL.



- Fred, W9NZF -

CENTRAL OHIO CHAPTER (71)

On June 12, 1982, Central Ohio Chapter held a dinner meeting at the TAT Ristorantede Famiglia. A pleasant get-together was held for an hour before dinner. This was greatly enjoyed by the 49 persons (members and wives) who were in attendance. Each individual ordered from the menu which was an innovation for this size group and was handled well by the restaurant staff.

Impresario Harlow Lucas, W8QQ, presented a unique slide-show of many members equipment installations and antenna installations.

Officers & Directors elected to office were:

Loren G. Windom, W8GZ, President  
Ralph H. Lathouse, W8MQG, Scty/Treasurer  
William E. McFadden W8CBL, Director  
Dan Umberger, W8ZCQ, Director  
Dick Johnson, W8CFG, Director

It was a most enjoyable QCWA meeting. - Ralph, W8MQG -

MIDDLE TENNESSEE CHAPTER (105)

The quarterly meeting of Chapter 105, Middle Tennessee, was held at Quincey's Restaurant in Donelson, TN, August 8, with a fair turnout of members and several guests.

The business meeting was centered around the National QCWA Convention coming to Nashville, September 24 & 25.

Most everyone stayed for the fine meal and fellowship after adjournment of the business meeting.

- 73, Dewey, W4TPT -

ARK LA TEX CHAPTER (85)

Ark La Tex Chapter met on July 27, with almost as many visitors and guests as members. Visitors included W800S, W5UNY. Honored guests were the XYL's of several members.

Everyone was asked to bring something old to show off. The writer would have had some real old gear on display had it not been necessary to tear down the station to do so. In order to avoid that, we took our most recent piece of gear that has not been hooked up due to lack of time. It was a Millen Exciter with 6L6/807 tubes. We have always said that Bliley liked the tri-tet oscillator because they were able to sell more crystals to replace those fractured in the rig.

The Chapter has had two members whose key fell silent in recent weeks. Chapter President, Ernie Gaw, W5MXC and Dayle Odell, W5CMV. The Chapter made a contribution to the QCWA Memorial Fund in honor of these two members.

The Chapter set up a booth at the SARA hamfest August 7 & 8 with signatures obtained from all QCWA members & prospective members met during the meeting. On display was a very beautiful collection of old equipment - several Atwater Kent and Grebe receivers that are in such mint condition no restoration was needed. One Grebe receiver had a full set of what appeared to be mint condition RCA tubes.

Chapter member, Dwight Brown, W5ABA and his "Child Bride" XYL will celebrate their 60th year of marital bliss August 15 & 16th, 1982. Dwight says, "show me a woman who has been happily married for 60 years, and I will show you a hen-pecked husband!" He only says that when is XYL isn't present!

- Dwight, W5WE -



NIAGARA FRONTIER CHAPTER (65)



Pictured above at the Rochester Hamfest, L-R are Chapter Pres. Slim-W2SD, Carl Drakeley-W2KEX of Penn Yan shown being presented a 60-year Anniversary Award, and Sec'ty-Treas. Bill-W2EWT.

Our Chapter meets every Saturday noon for luncheon at "The Little White House", 5877 Main St., Williamsville, NY. Out-of-town QCWA members are invited to attend our luncheons when visiting this area. Recent visitors at our luncheons include K2AJY of Boston, Mass: W2VLZ of Beaver Creek, Ohio: N3CRA of Andrews Air Force Base, Wash, DC: W2KKZ, W2BLO, W2QMK and W2PZF of the local area.

We are sorry to report the death of a fellow Chapter member, Nelson Griswold-WB2GUF of Kenmore, NY on Jan. 25. Nelson was an active Ham and a former President of ARATS radio club as well as Editor of their club paper "Coherer". We are also sorry to report the recent death of Dick Pratt-W2GIH of Orchard Park, NY on July 24. Dick had been a member of our Chapter for 5 years and was active on the DX bands.

We are very pleased to welcome 3 new members into our Chapter: Lorraine Jones-K2ZVS of Orchard Park; Paul Bond-WA2VTI of Kenmore; Robert Kerns-K2VNM of Sanborn.

Our Chapter again had a QCWA booth at the Rochester Hamfest on May 15. Our booth was operated by W2SD, W2YE, W2JFE, W2NW and W2EWT. Carl-W2YE had an eye-catching display of old speed keys and telegraph sounders which operated from a cassette tape machine and also manually. Through the generosity of Bob-W2WVC, we had a continuous showing of color slides at our QCWA booth with voice-narrated descriptions of pictures taken at Chapter picnics and other activities. Our Chapter will also have a QCWA booth at the Ham-O-Rama Hamfest in Hamburg, NY on Sept. 11.

Our Annual Spring Banquet was held June 6 at Warrens Steak-House, Tonawanda. We had 53 people attending- all of whom had a great time. Ted-W2KX did a super job as MC again this year even though under duress as his wife-Charlotte was in a hospital, having had eye-surgery that week! Our speaker was Harry Perlow-Vice Pres. of International Cable Company. Harry enlightened us on the use of satellites in space to relay TV programs in this country and the problems that were encountered and their correction. We were also treated to another great performance by Ann Palmer, wife of Ken-K2FJ. Ann lived up to her reputation as a fine "teller of jokes" and entertainer.

Bill - W2EWT

Watch out for the fellow who talks about putting things in order! Putting things in order always means getting other people under your control.

-Denis Diderot -

BATON ROUGE CHAPTER (109)

The Baton Rouge Chapter of QCWA 109, held a summer picnic in June, at the ATH of Al Heine, W5OVV, in Rosedale, LA. About 20 members and xyls along with several guests shared together in a pot-luck style picnic lunch under the trees along Bayou Grosse Tete. That day was also the birthday of Kirk, W5KYC, and the group celebrated with him by sharing a specially prepared birthday cake made by Virgie Aubin, xyl of K5DVQ.

The group enjoyed the day so much they expressed interest in another meeting at this location. Accordingly, Al invited the Chapter to return in the Fall for a Louisiana special outing...a Jambalaya on the Bayou. Date to be announced.

The Chapter was saddened on several occasions by the passing of several members. In recent months the following members became Silent Keys: Tom Hampton, W5ADU; Ed Fuchs, W5AZM; Buddy Switzer, W5GAL.

Pictured below is the scene of the event...



- Al, W5OVV -

ATLANTA CHAPTER (49)

The Chapter's June meeting was graced by the presence of Leland, W5KL, Vice President of QCWA and xYL, Helen, WA5WAR. Leland's address to 43 members and friends highlighted QCWA progress through past years and plans for future developments. His "Three Most Popular Lies" was great! We pledge our energies to work for achievement of National Organization development projects.

Chapter members scoring in QSO Parties included K4EZ, W4JWO W4BFR, W4HL, K4VN, N4UZ. New Chapter members are K4INU, Jerry; K4OBD, Mike; K4JNL, Eddie; W4CFD, George; W4UVP, Bill and K4KVQ, Bob.

In the picture below are shown, L-R, Wendell, K4VN; Eddie, K4JNL, Georgia SCM; Bill, W4DQT, President, Atlanta Chap.; Ed, W4JWO, Chapter Secretary/Treasurer and John, W4NET, Director.



- Ed, W4JWO -



## THE WAY IT GOES

by JULIAN JABLIN, W9IWI

Julian has become a regular contributor to QCWA NEWS. If you enjoy his work, drop him a line!

- Ed -

I have always been better with software than with hardware. And, if anyone out there read the last column that I had in this space, the realization arises that I am not very consistent...the use of "software" does not fit in with my comments then, but then, that was a few months ago.

Call it what you will, the nuts and bolts of electronics have never been a matter with which I have been especially comfortable. Now that is an odd sort of affair, since I'd rather be in the basement messing up an etched circuit-board than exercising my rights as a Licensed Radio Amateur messing up the air. And, while talking is something at which I am not bad (note the way I crept around a possible dangling participle!) the arts of screwdriver and soldering iron have managed to elude me. Oh, sure, I can put things together, and sometimes they do work, but I do not usually count on it. The moment of truth, when the power is finally applied, is generally a moment of frustration for me, as we shall see later.

If a friendly psychiatrist (if any such exist) were to get me on his (her?) couch to probe deeply into my past in an effort to discover when all of this ineptitude began, I might be persuaded to recall some early year in the Bronx, when I was ten or twelve and "experimenting". I was a reader, even then, of Popular Science and all of those books from the library which told boys how to make and do things. One item I remember was a "carbon arc lamp". It was made this way, and hold on to your hats: one took a pair of pencils, notched them near the blunt ends to expose the lead, and twisted a length of lamp cord in the notch to make contact with the bared lead. The pencils were connected to the AC mains through a resistor, in this case a toaster or an electric iron. Can you imagine how much bare wire and 110VAC were floating around on the kitchen table? And what happened when I tried to strike an arc? The fuses in the electric system were all located in the basement, and it was the janitor's job to replace them whenever one blew. This happened time and again, until he got tired and complained to my parents.

But I was off to a good start. At thirteen I was a Boy Scout, and it could not have been too long after that when I decided to try for the Radio merit badge. This required, among other things, that the candidate build, by himself a radio which could receive stations from some ridiculous distance like 50 or 200 miles. I attempted a battery portable; it used, I think, a pair of '99 tubes -- detector and one-step. Needless to say, it didn't work. I dragged it along to summer camp, where it still didn't work. "Well", I told the merit badge counselor, "it should work. It's just like the diagram." Not good enough.

Sooner or later I got into high school and I joined the radio club. It was time to build a receiver again, and while the outward appearance was different, it was -- more or less -- my old friend, the detector and one-step. This one was up-graded, though -- AC tubes in a superregen circuit on a metal chassis. The idea was to receive "short waves" and among the stations would be (I hoped) some hams.

You will recall that a superregen had to be put into oscillation to make it detect, and the adjustment was usually a very fussy variable capacitor or a pot. Not so my superregen. All one had to do was to pick up one corner, an inch or two from the table, and drop it. Oscillation! And stations! It worked...more or less.

While on the subject of metal chassis, let us digress for a moment. That chassis was made from a 16" transcription disc, stripped of its acetate, cut roughly rectangular, and bent to become a U-shaped affair. So what if the thing was bent by hand and the corners were more round than square? Since then I have gone through many Bud, Par-Metal, Radio Shack and anonymous metal chassis, and they've all had one factor in common with my first -- the holes. Now, I suppose that it is possible to drill a hole where one wants it to be. Friends of mine do it all the time. Not me. I start drilling holes, nice round holes. It is only when these holes have to mate with holes in some other component that they cease to be the kind of holes the drill produced. They become slots. Long slots and short slots, but slots. I am a great believer in the use of the round file to correct mistakes, and the large washer to hide them.

One-ten AC still gave me trouble. I was at that time a member of the high school puppet club -- don't ask me why...it may have had something to do with some of the girls who were members. I was put to work on construction of the puppet stage, a huge monster with all manner of lighting. The lights were my nemesis. Naturally, I volunteered to wire the panel and plunged right ahead. At the first rehearsal when the lights were used I threw the switch. There was a flash behind the panel and a report like a canon-shot from the rear of the auditorium. I had managed to short out the board and had thrown the main circuit-breaker for the auditorium lights. A session with the school's custodian engineer followed, and I learned that it is bad practice to wire the main switch across the incoming AC lines.

This taught me the value of scientific experimentation behind closed doors, and I became very private about my electronics. Numerous radios took shape on my kitchen table, and numerous failures went out the back door. When they worked, I felt all the pride which comes with rare -- very rare -- accomplishment.

Therefore, it seems surprising now that my first venture on the air was with a home-brew modulated oscillator and rush box combination for the then new 2-meter band. Never mind that my first transmissions with it were on the 152-MC that Ma Bell was using. It worked, and I was on the air. This was followed by a little 35-watt CW transmitter, right out of the Handbook with variations for the bargain parts I was able to scare up. It, too, worked. Drunk with power, I tried a 10-meter transmitter, and that did not work. In fact, it set the pattern for whole series of succeeding projects. There was the crystal controlled transmitter for two meters, the converter for the same band, the receiver (HF) to end all receivers, the 420 MHz portable, the...But you get the idea.

HQ occasionally receives a note from Chapter Officers asking that we notify them when a new member of QCWA is enrolled in their area. We have given thought to doing this...it is not really a possible thing...we simply do not know where new members are located exactly, relative to Chapters and it is for this reason that we publish the new member list in every issue of QCWA NEWS. Chapter Secretaries can check the list and contact those who might be in their area. We do send a letter of welcome to new members together with list of all Chapters within their area. This should help everyone get together.

- Ted, W5EJ -

Those old battery and AC radios had one quality not to be found in today's transistor and IC gear. When you did something wrong, you knew it. Throwing the main switch is always an emotional experience for me when I warm up a home-brew project for the first time. In the good old days (I had to get to that eventually, didn't I?) you did, as I say, know when you did something wrong. Did you ever see a type 80 tube light up when the input capacitor in the power supply was shorted? "Light up" is hardly the term...if you weren't a fast draw with the switch (Fuses?? Who used fuses?) you replaced not only the capacitor but the 80 as well. Tubes were always good for indicating when things were wrong. Unless you were running them at your own ICAS ratings, a bright tube usually meant that something along the line was drawing too much current. Resistors were equally handy for this...a charred dead body with an accompanying odor told you that you'd better do some checking on the items the resistor was supposed to resist.

Contrast this with a circuit board on which you have stuck a few transistors or -- even worse -- some ICs plus a handful of tiny disc capacitors and resistors. You apply the power (Power?? Five volts at a couple of microamps!!) and what happens. Nothing. Everything looks the same, and that is the trouble. Nowhere is there a spark, or a smell, or any clue to what's wrong. You may have -- you probably have -- sent the semiconductors West, but you'll never know it unless you unsolder them and test them. Who was it who called transistors "three-legged fuses"?

The joys of building from scratch! Imagine, if you will, a licensed Radio Amateur, Advanced Class, yet, who can put together the half-dozen or so components for an audio oscillator (with a large part of the job done by the Taiwanese maker of the 555 chip) and get not a peep out of it. Oh, sooner or later they do perk, but whenever I get a project done, and reach the final testing stage, I get a "Why me, OH Lord?" complex.

I will say this for Heathkits; they have the solution to my holes/slots problem, it nothing else. I smile a little when I read a "review" of a new kit and the expert up in Newington complains that the board misses its mounting holes by 1/64" -- heck, in my workshop, that's high precision. You are reading the confession of a ham builder for whom the famed Heath construction manual is a tool of the Devil, its clear-as-crystal step-by-step instructions a road map on the way to sure perdition.

Yet, withal, I'd rather build than buy, tinker than operate. Don't get the idea that life among the ICs has been a total failure, a sorry story of frustration. With so much solder down the drain I had to have a few successes, simply by playing the percentages.

Still, it is a nerve-racking time for me when a project is all finished and I have to hook it up to a power supply and throw the switch. I simply block out and delay it. At times, it will be days before I can bring myself to hook up the clip leads (I'm great on clip leads) from circuit board to DC voltage. I know that nothing will happen, either good or bad. Nothing happens. And that is the frustrating part of the whole exercise. It's back to the drawing board, and -- an even more dreary prospect -- back to multimeter in an effort to find out what's wrong.

I understood very well, therefore, what the builder of a Heath frequency counter must have felt. I bought the 90%-completed kit from his estate, and it was about all ready to plug in and switch on after putting the thing in its tin can. He just hadn't gotten that far, and I emphasize with his reluctance to take the final step which would have proved failure.

(There is an alternative which my black sense of humor visualizes. He's sitting at the bench, ready to solder in the last few connections. He feels the cold hand of you-know-who on his shoulder. "Wait a moment...I have to finish this frequency counter!" he protests. "Where you're going, you won't need a frequency counter!" is the Angel's answer.)

At any rate, there I was with a nice-looking but probably inoperative piece of gear ready for testing. Never mind that I hadn't built it -- I had bought it, touched it, made a couple of last minute connections in it. That was enough to put the W9IWI hex on the whole thing.

And I was right! It was almost a triumph of will when I plugged the damn thing in and saw half of the digits light up with half of their segments missing, reading out a frequency which did not budge no matter what signal I fed into it.

I think, though, I may have broken the hex, exorcised the curse. Back to the manual, and the checking procedure, I discovered boner after boner -- IC sockets with three or four pins bent over and not soldered in, a backward diode, et cetera, et cetera. The guy was more inept than I was! I never dreamed that anyone could be! Suffice that the frequency counter now counts -- accurately. Too bad that I have no working oscillators to use it on.

That may change. After all, I did get the thing to working. Why cannot I get other things to work, too? There is a pocket-sized SSB QRP rig that I've always wanted to make. And how about restoring that 1940s Hallicrafters SX-25? Or perhaps a microcomputer...The sky's the limit!



## UPPER MIDWEST CHAPTER (8)

Report on May 20, 1982 meeting. The Happy hour was from 6:30 to 7:30 PM... Then a Ham Dinner was served. The meeting was called to order by "Acting President, Bob Gillie. The treasurers report was given by Fred Schmidt. The letter received from Alice, Dick & Jim, the family of Claude Stevens, W0CDV... There was a moment of silence in memory of Claude.

Bob Gillie, then presented the "50" Year Award to Milt Anderson, W0HB, and to Tom Ware, W0CF. Members were asked to vote on all issues mentioned in the Spring QCWA NEWS.

Fred Childs, W0WQ, was elected to the post of Vice President.

Bob Gillie then introduced Joe Pavak, who presented a slide program of the early days of Ham and Commercial Radio Operating. The program was well received by the membership.

The Chapter, with regret, reports the passing of Robert Molitor, W0RVO, of St. Cloud, Minnesota.

New member, AVery M. Finn, K0HLA, was welcomed by the membership.

- Jack, W0GVV -

## INLAND EMPIRE CHAPTER (130)

On August 21, Chapter 130 celebrated its 100th on-the-air meeting with stations reporting in on 3912 being: W6KJP, K6SS, W6TDL and W6BBY. Fifteen others joined in the net to celebrate.

Inland Empire Chapter owes much of its success to Chapter 7 supporters, especially, W6FGT, W6YYV, W6CL, W6PHE and W6INH. Gene came on early one Saturday morning, rounded up the early birds and assigned them numbers. Sounded like Sunday morning. When the "Wagonmaster" came on he thought he had slept through Saturday. Chapter 130 is fortunate to have a number of ex-officers of other chapters including, W6BUK, W6EKM, W6AGK, W6CL and W6YYV, W6INH and others from far-off places.

The picnic at upland on August 22 was well attended. Thanks to NyGOT, an Upland local, for arrangements and 2 meter rigs. Other communications were on 200 meters using a rotary spark (W6CL) and a crystal set and O-V-1 (W6QKB). Bill Adams, W6BA/W6ANN, brought along a watermelon, like last year. W6QIL joined us and is our newest member. K6SS got lost and showed up late with a red face!



In the pix above, taken at the picnic, L-R, front row are: W6CL, N6GOT, W6QXB, K6DD and W6BUK. Rear row: W6QIL, W6EKM, W6KJP, K6PG, K6SS.

- Walt, W6EKM -

## CENTRAL CALIFORNIA COAST (75)

On May 8, Chapter 75 held its spring luncheon meeting at Cambria Pines Lodge, in Cambria, with 44 members & xyl's attending. The picture below shows most of 'em but Hand didn't have enough paper to identify those shown....

Our sincere apologies to other Central and Southern California Chapters for the conflict in meeting dates. The roving habits of our footloose and fancy-free membership make it hard to set a date that will insure reasonable attendance.



## CENTRAL VIRGINIA CHAPTER (116)

Central Virginia Chapter had a very successful meeting on September 11, 1982, in Lynchburg, with ten members and two guests present.

A moment of silence was instituted in memory of the passing of Harry E. Welsh, K4MKO. The Chapter voted to contribute the sum of \$10 and members present made contributions to a fund sent to the QCWA Memorial Fund in memory of Ray Albert W4YKU and Harry Welsh, K4MKO.

John Bush, W4FOD, President of the Chapter, reported on his visit to Cedar Rapids where he attended the ARRL National Convention in July.

Those present at the Chapter meeting were: W4UQ, W2BNX, W4VAN, W4OKN, W4OBB, W4KNC, W4FOD, N4VM, AA4GR, K4LKQ and visitors Paul Briggs, W4BFK and Tommy Uzzell, XYL of W2BNX.

Ed Martin, W4QBB, passed around several books filled with QSL cards from many of the stations he has worked and John Buch, W4FOD, did likewise with photos of friends and guests at the ARRL Convention.

The next meeting of the Chapter will be Saturday, December 4, 1982, at Howard Johnson Restaurant, Ward Rd., Lynchburg.

- George, AA4GR -

## QCWW CHAPTER (120)

About 30 QCWW Members attended the National YLRL convention in Washington, in June. Our only DX member from Germany, Christa DJ1TE, was there. We do, however, have another DX member, Sheila Gabriel, G3HCQ.

The Chapter is planning on holding a Breakfast at the QCWA National Convention at Nashville ... it did - Ed ... We've just received word from Babs; W4HYV, Chapter Secretary, who says she has just assigned membership #160, so we're growing. We have 10 family memberships.

The Chapter announces with regret, the passing of June Burkett, W1VXC, a charter member.

We're still looking for an editor for "Silver Sparks."

- Beulah, W6NLM -



PITTSBURGH CHAPTER (6)

Pittsburgh, PA, Chapter 6 held its spring meeting at Toni-dale Restaurant, in April, with a good turnout. Your Secretary regrets that he could not attend due to medical problems. Our sincere thanks for many inquiries & cards sent during convalescence.

Deepest sympathies are extended to the families of Elmer Sadd, W30KK and Sid Thomas, W3JQ, who became silent keys recently. Best wishes for a speedy recovery to W3MD, Len Sairs, recovering at home from recent illness.

Congratulations were in order for Zigmund, W3UHM, for winning one of the goodies at the White Swan Park Hamfest. A group of members consisting of W3AKG, AF3V, W3SVJ, W8CWY, W3SF, W3UUH, W3DM, W3LBE and W3LGD gathered together to prepare a set of By-Laws for the Chapter.



In the picture above, Mark Moore, W3LPF, is shown proudly holding his 60th Anniversary Golden Award presented at the April, 1982 meeting. Picture by W3SVJ and W3UUH.

- Joe, W3LGD -

When a man sends you an impudent letter, sit right down and give it back to him with interest ten times compounded--and then throw both letters in the wastebasket.

-Elbert Hubbard -

THE CITRUS CHAPTER 2-METER REPEATER

Citrus Chapter, #45, of Orlando, FL is the proud owner and operator of a 2-mtr repeater. To the best of our knowledge it is the first repeater in National QCWA. Largely due to the efforts of two past presidents, G3DKS, Keith Street, of Deltona, and W4WLX, Chalmers Stromberg, of Orlando, it became a reality in 1979.

We sold ten-dollar repeater bonds to our members to finance it. Believe it or not, not a single bond was requested to be redeemed in cash; they were all presented to the repeater fund or turned into future dues. At least 90% of them were presented to the fund. Raffles and Auctions were held at the end of each meeting to further finance the fund.

We have a VHF Engineering Repeater, 18 watts out on 147.825/147.225, WR4AEL; with a comfortable working range of around 40 miles, and a good 20 mile range for mobiles or hand-held rubber duckys. True, we have had some outages, but in general, it has given good service and has been enjoyed by all. We have two Citrus Nets per week on it, managed by W6GHX & W2IOE. When you are in the Orlando area, be sure to give us a call; we usually have a member of Citrus monitoring.

- Bill Waldo, W4PI, Chairman, Repeater Committee.

APPLESEED CHAPTER (117)

Appleseed Chapter #117, centering in and around several Counties in North Central Ohio, met on August 13, for a Pot Luck picnic at the summer cottage of Ed Ryan, W8LRR, at Charles Mill Lake. Thirty-three were present.

Activities included two pontoon-boat rides around the lake, mounting a Ringo Ranger on the house by K8DKO and by K8LRN, with plenty of bossing from the sidelines.

Those attending are shown in the picture below. L-R they are; front row...WiPO, W8QJF, W8YGX, W8JYY, W8KK, W8BCG, K8DKO. Back row, W8GGH, W8FXV, K8UDO, W8VLB, W8SOU, W8OD, and W8LRR. Towns represented were, Mansfield, Shelby, Ashland, Bucyrus, Sullivan, Lexington and Bellville.



-Eldon, K8PO -

HALIFAX CHAPTER (125)

The Annual meeting for 1982 was held July 31, 1982, with Chapter Chairman Ken Bucklin, K4LP, presiding. The Nominating Committee, Chaired by Dick Frederick, N4CBU, presented a slate of Officers to serve during 1982-83. It was by acclamation that they were elected:

Frank Matrangola, WA4MYG, Chairman  
Ernie Curry, W1KZS, Vice Chairman  
Pete Eastman, W2GDP, Scty/Treasurer

A letter of congratulations from HQ was read, commending the Chapter on achieving its 50th member and becoming entitled to a Chapter Banner. Also, commendation was issued on the Chapters Roster, maintained by Dick, N4CBU, it was picked out as an example for its completeness and potential usefulness to members.

Speaker of the meeting was John Beams, Manager of the Florida TV Cable Company. He discussed what lies ahead for the Cable Companies in non-entertainment areas. Probable linkages between telephone and cable services which may automate many in-home functions and place them under computer control. Following the program a question-answer discussion took place. The program was enjoyed by all.



Above, L-R are: K4LP, retiring Chapter Chairman; W1KZS, Vice Chairman and Secretary-Treasurer, W2GDP. Chairman WA4MYG, was unavoidably absent at the picture taking.

- W2GDP/W4MGO -



# BARNEY'S ANTIQUE EXCHANGE

Managed by Barney Moffatt  
W5CJZ

5714 Trail Meadow Drive, Dallas, TX 75230

Quite a few QCWA Members are interested in the old-time stuff, and have suggested that we have a vehicle to permit QCWA members to swap parts, information, and to search for a special bit or part needed to restore, rebuild or go from scratch on old equipment....This is our answer.

Barney has volunteered to keep records, and to coordinate the whole schmeer. If you need six fahnestack clips, or a rheostate, or what have you, send your requirement to Barney. He'll see that it's published herein, and help in every possible way to see you get those needed items.. A few rules are necessary, more may be needed later:

There is no cost to QCWA members, neither QCWA, its Officers, Board of Directors, manager or its agents assume responsibility for loss or misrepresentation to anyone.

SELL-TRADE: Hawkins Electrical Guide #1-#10, 1917, pages appear unopened! Audels New Electric Library, #1, 2, 4, 5, 6, 7, 1942, like new. Baldwin Phones, type C, Wheatstone Bridge WWII German LIZENZ, 1944. SASE for list... WANT: VHF, UHF scanner.

Paul Hertzberg, K2DUX  
200 S. Middleneck Rd., (D-5)  
Great Neck, NY 11021

## FOR SALE:

Wireless Telegraph Construction by Morgan, 1914; Bluejackets Manual by USN, 1917; Manual of Radio Telegraph and Radiotelephone by Robison, 1918; Manual of Radio Telegraph and Radiotelephone by Robison, 1919; Short Waves by Leutz & Gable, 1930; Wireless Experimenters Manual by Bucher, 1920; Radio & Electronic Dictionary by Manley, 1931; Ultra-High Frequency Techniques, 1943. All hard-cover and in good condition, Make Offer to

C. F. Bumpus  
4 Whiting Street  
Plymouth, MA 02360

WANTED: B & W kilowatt tank coils HDVH or HDVL, 80, 40, 20 and 10 meters Cash or Trade.

Wm. M. M. Robinson, WØFPL  
Box 336  
Cedar Mountain, NC 28718

WANTED: Hallicrafters SX-24 or SX-25 and PM-23 speaker. Please quote price and condition.

Eber F. Diehl, Jr., W7AMM  
549 Phillip Drive, NE  
Sierra Vista, AZ 85635  
602 458 9784

HAVE: Weston RF ammeters, National MB-40DL; National XR-5 coil forms; 10-loss statite octal sockets, assorted meters some EF Johnson variable caps. NEED: cabinet & bottom plate for old TRI-X 500 transmitter made by Tri-State Company. 1942 or later callbook listing W4IFN.

Warren Snyder, W6RDL  
P. O. Box 676  
Milan, TN 38358

SELL: Spare tubes for HR050; manuals for HR05-50-60; Crosley Model 52 Radio with morning-glory speaker; Crystal set with A-K Variometer as tuner; A Dresner Converter; UV-202 transmitter with Jewell trio meters; have a large collection of spare parts, all over 50 years old, including brass based 201s, 201-As, old Crosley box tuning condensers, etc. Send SASE for lists or tell me your wants!

Wells R. Chapin, W8GI  
507 Franklin  
Kingsley, MI 49649

FOR SALE: Weston Twin Laboratory Instrument Set, Models 664, 665 meter units, like new; Collins skirt knobs; many fahnestock clips; Baldwin Type C earphones; OA2 and OB2 new boxed tubes write and make offer!

Monte Freedman  
7010 Southwest 16th Street  
Plantation, FL 33317

WANTED: Meyers RAC-3 tube and a Sodian tube....ALSO, any tube made by BLACKSTONE LABS in NJ or NY.

Cliff Blackstone, W7LDO  
P. O. Box 1695  
Albany, OR 97321

WANTED: Power transformer for NC-57 rcvr (1949). It has numbers K316 SUB 2 332 stamped on top, no name. 115V 50/60 cycles. Write to:

Robert E. Garrow, K7YUA  
Longview, WA 98632

FOR SALE: NATIONAL HR0-60, matching speaker and manual. Coils A, B, C, D, AC. In very good condition. Heath DX100 transmitter with manual, Good cdx; Knight T-150A Transmitter. Blue Racer Vibroplex key, like new.

Len Carroll, W6LXH  
8509 Idlewood Drive, SW  
Tacoma, WA 98498  
206 588 6247

Do well the little things now, so shall great things come to thee by and by asking to be done.

NEEDED BADLY: Will anyone with SW-3 series 3, with 6J7g's and 6C5 tubes please provide information and picture of inside and bottom of chassis?

Ted Gillett, W6HX  
14840 Broadmoor Street  
Van Nuys, CA 91402

## QCWA FUNTEST PROBLEMS FOR FALL, 1982

1. After a QCWA meeting a group went out for cold 807s. "Put it on one ticket," they told the barkeep. When done, the bill was \$6 and it had been agreed that they would split it even. About that time someone noticed that two had slipped out without paying... those remaining had to come up with an additional 25 cents each. How many were in the party originally?
2. Raise  $Z = 3 + j4$  to the 3rd power.
3. Find  $r$  and  $\phi$  when:  
 $r \cos \phi = 3$   
 $r \sin \phi = 4$
4. Find the time of sunrise at Boston Lat  $42^{\circ} 21' N$ , the sun's declination being  $20^{\circ} 31'$ .
5. Three circles of radius 24, 30 and 36 inches are tangent externally to each other. Find the area enclosed between them.

- 30 -

FORT WORTH CHAPTER of QCWA reported that Hank Hankinson, K5ZBN, passed on on July 9, 1982. Hank was an active QCWA Member. He was a Century Club member and was first licensed as 2ARF, while living in New York.

During WW-II, he held important positions in setting up our Country's Radar Defense system, working for ITT. He and Belvie came to Arlington, Tx., in 1959, as District Manager of ITT.

The memorial service conducted by Jerrv. K5JGS, emphasized Hank's love for people and his willingness to go all the way to help others. We shall miss him!

- Ray, W5IWE -



## WELCOME TO MEMBERS NEWLY ENROLLED IN QCWA

05-04-82	16,001	Robert G. King, Sr.	W5LVB	Hot Springs, AR	06-14-82	16,099	Dale E. Marks	K8GK	Camden, MI
	16,002	William Garfinkle	W2HYF	Flushing, NY	06-15-82	16,100	Alvin C. Talley	N4FVU	Hueytown, AL
	16,003	Peter N. Fiore	K2VIP	Staten Island, NY		16,101	Gary L. Carlson	NL7Y	Seattle, WA
05-07-82	16,004	John J. Vitale, Sr.	W21IN	Elizabeth, NJ		16,102	Vincent H. Quayle	W9BFU	Chicago, IL
05-05-82	16,005	Allan J. Schnabolk	W201B	Ocean, NJ		16,103	Curtis R. Hammond	K5AA	Eureka Springs, AR
	16,006	Donald E. Warren	W8FQE	Oviedo, FL		16,104	A. P. "Tom" Raney	K5CZL	Russellville, AR
	16,007	Ross F. Fox	W8PZX	Cincinnati, OH		16,105	Harlow F. "Bud" Brown	W8SDX	Aurora, CO
	16,008	Charles W. Golden	W8OSS	Clearwater, FL		16,106	C. Bruce Ferguson	K8GCI	Reynoldsburg, OH
05-07-82	16,009	Arthur F. Brant, Sr.	W3FAT	New Port Richey, FL		16,107	Edward J. Lemmon	K8HAZ	Gahanna, OH
	16,010	Le Nain G. Winchell	W4ZCQ	Port Richey, FL		16,108	Wayne Edward Eberhard	K6TWX	Cheyenne, WY
	16,011	George Grosner	W1ASO	Stratford, CT	06-17-82	16,109	Don Martin	K5KNX	Irving, TX
	16,012	Philip M. O'Donnell	W2LNB	Oakhurst, NJ		16,110	David F. Eisenberger	K8KEM	Aurora, OH
	16,013	Otto E. Aschoff	W7FFJ	Oregon City, OR		16,111	Leo A. Brumm "Lee"	W5JYE	Garland, TX
05-10-82	16,014	Kenneth G. Hookanson	K4DVA	Ft. Lauderdale, FL		16,112	David W. Wise	K8SNX	Conroe, TX
	16,015	Howard M. Rensin	KC3D	Silver Spring, MD		16,113	Jack Green	W2PACB	Arlington, TX
	16,016	Francis A. Kohout	K1RK	East Falmouth, MA		16,114	Vernon G. Showers, Jr.	AJ5H	Garland, TX
	16,017	L. L. "Red" Strong	W7RCH	Hillsboro, OR		16,115	Edwin E. Calhoun	W5QEB	Arlington, TX
	16,018	Donald W. Lambrecht	W7MKH	Oakhurst, NJ		16,116	Forrest A. Garb	W5CWA	Dallas, TX
	16,019	John P. Westervelt	W5CRO	Corpus Christi, TX		16,117	Donald C. Walworth	K5IEC	Dallas, TX
	16,020	Mike Reason	W2EXQ	Neptune, NJ		16,118	Gary R. Schmidt	W5UUE	Austin, TX
05-12-82	16,021	Robert W. P. Patterson	K5DZE	Columbus, MS		16,119	Al Loeckle	K5BUZ	Houston, TX
	16,022	Andrew G. Degiman, Jr.	W2AZP	Union, NJ		16,120	Gus J. Guillot	W5HHB	Nederland, TX
	16,023	Tom L. Pilgreen	W4UTR	Birmingham, AL		16,121	Ron R. Nickell	K4DTI	Dallas, TX
	16,024	Bob Margolin	K1BM	Capistrano Beach, CA	06-18-82	16,122	Michael A. Jason	W4OTU	Inverness, FL
	16,025	Donald J. Gagne	W2LID	Brielle, NJ		16,123	S. Paul Allen	KA4TJC	Atlanta, GA
	16,026	Ira O. Myers	W2SVJ	Neptune, NJ		16,124	Bill Blackburn	K5LAC	Lewisville, TX
05-14-82	16,027	L. E. "Gene" Vinson	KA4IFI	Tarpon Springs, FL	06-21-82	16,125	Anthony C. Isch	W2GVD	Belle Mead, NJ
	16,028	Geoffrey V. Azoy	W2XZ	Little Silver, NJ		16,126	Robert V. McCandless	N3KW	Mars, PA
	16,029	Aldo N. Lozano	WA2IST	Port Monmouth, NJ		16,127	Durward H. Evans	K8HWO	Canton, OH
	16,030	Fred Slater	K2ZGC	Livingston, NJ		16,128	William A. Gresham	W5IXP	Covington, LA
	16,031	Ed Garnett	VE2BHX	Pierrefonds, QUE		16,129	Clifford M. Blackstone	W7LDO	Albany, OR
	16,032	B. H. Lalande, Jr	W6QXX	Rancho Palos Verdes, CA	06-22-82	16,130	Sune F. Mattsson	SM6AQJ	Kungsbacka, Sweden
	16,033	Hyman Wallin	KA3HTH	Gaithersburg, MD		16,131	Ralph T. Kontos	K8MAL	Bloomington, MN
05-17-82	16,034	Nathaniel L. Mower	K4CM	Springfield, VA		16,132	Bob Ross	W6TUE	Hesperia, CA
	16,035	Sherburn M. Becker	N2PB	Little Silver, NJ		16,133	William B. Chapman	W5YJB	Dallas, TX
05-18-82	16,036	Roby Kratzenberg	LX1RK	Luxembourg		16,134	J. P. "Jim" Hall	K6HNS	Tustin, CA
	16,037	Roger L. Moss	W8UK	Bloomfield Hills, MI		16,135	Edward E. Wood	N2CER	Mays Landing, NJ
	16,038	Robert M. Kelley	K2RIZ	Bricktown, NJ		16,136	Charles L. Lowe	K4SSW	Doraville, GA
	16,039	Richard A. Nelson	W9RVP	Schaumburg, IL		16,137	Chuck Barrows	K7BVT	Portland, OR
	16,040	Lawrence Housman	W2GIS	New York, NY	06-24-82	16,138	Ben Pinz	W2GUP	White Plains, NY
05-20-82	16,041	John A. Conroy	W84FXV	Murfreesboro, TN		16,139	Shirley Lukoff	W3VNN	Horsham, PA
	16,042	Robert R. Alm	K6QXX	Glendale, CA		16,140	Charles W. Wilson	W9FPF	Springfield, IL
	16,043	George W. Bartlett	W1MMH	Falls Church, VA		16,141	Richard Duffy	K6JZK	Cypress, CA
05-21-82	16,044	George W. Bartlett	W1MMH	Falls Church, VA	06-25-82	16,142	Amory F. Penniwell	W6EZK	Santa Barbara, CA
	16,045	David E. Harbaugh	W6TUV	Santa Cruz, CA		16,143	Weldon H. Johnson	W8IZE	Atlanta, MI
	16,046	Hale Blakely	W9CBE	McFarland, WI		16,144	S. W. Sharp	W8MGI	Delaware, OH
	16,047	Denis B. Munier	KC7E	Scottsdale, AZ		16,145	James S. Evans	W6EFB	Ridgecrest, CA
	16,048	Ronald C. Phillips	K6MLL	San Pedro, CA		16,146	Martin N. Debbelcke	N4FZJ	Orlando, FL
	16,049	F. Robert Ripley, Jr.	W6OSH	Inglewood, CA	06-28-82	16,147	F. Dwight Gann	K5MOA	Eules, TX
	16,050	John R. Tavares	W1DHC	Fall River, MA		16,148	Lillian E. Beebe	W4SWZF	Houston, TX
05-24-82	16,051	Andrew M. Hassell	W5DEM	Dallas, TX		16,149	Lorimer D. Elwell, Sr.	W9PQK	Dunlap, IL
	16,052	James S. Woodson	K4DP	Covington, VA		16,150	Doug Hendricks	N7UT	Salt Lake City, UT
	16,053	Bill Pagen	W6SFB	Pacific Palisades, CA		16,151	Richard H. Reimund	N5AE	Booker, TX
05-26-82	16,054	Herb Sleeper	W85PHM	Wichita Falls, TX	06-29-82	16,152	Arthur Dennis Sullivan	K3BQZ	Takoma Park, MD
	16,055	Gary R. Zanzig	AB7S	Bellevue, WA		16,153	Thomas V. Jardine	K2SAQ	Rumson, NJ
	16,056	Gail L. Zanzig	KA7AXR	Bellevue, WA		16,154	Dick McKay	K6VGP	Rancho Palos Verdes, CA
	16,057	John E. Hamlet, Jr.	K4HHG	Longwood, FL		16,155	R. L. Stanford	W5JCT	El Paso, TX
	16,058	William Kreysler	W6BTN	San Diego, CA	07-01-82	16,156	Arthur R. Whittum	W1CRO	Manassas, VA
	16,059	Kathy Kreysler	K6AWP	San Diego, CA		16,157	Edward Stevenson	W8MJK	Macedonia, OH
	16,060	Charles T. Farrell, III	N4AJC	Sarasota, FL	07-02-82	16,158	Dorothy Higgins	W8RZN	Toledo, OH
	16,061	Gordon W. Storey	VE7EXI	Clearbrook, B.C.		16,159	C. Willard Sammis	W9JH	Covington, IN
05-27-82	16,062	Archie MacArthur	W7JPA	Greenbank, WA	07-06-82	16,160	Duane R. Humphrey	K8G5W	Bad Axe, MI
	16,063	David F. Tabaczky	W6JXA	San Diego, CA		16,161	Walter A. Buckley	W6GGC	San Francisco, CA
	16,064	Edward M. Gable	K2MP	Rochester, NY		16,162	Harry O. Field	W6LKC	Fallbrook, CA
05-31-82	16,065	Steve Broomell	W7ENE	Casper, WY		16,163	Mable B. Field	W6YZV	Fallbrook, CA
	16,066	Russ Laverty	K7AJC	Longview, WA	07-07-82	16,164	Ralph D. Hughes	K5KXH	Houston, TX
	16,067	Alex F. Dolgosh	K8EUR	Cleveland, OH		16,165	Keith Stiles	W7IZQ	Lakebay, WA
	16,068	Edward J. Auwaerter	K5KTV	Alexandria, LA		16,166	Frank I. Moorhead	W7DWW	Tacoma, WA
	16,069	Francis H. Gerwitz	KA5DIO	San Antonio, TX		16,167	Basil D. Enyeart	W6BFQ	San Diego, CA
06-01-82	16,070	Russell E. Young, Jr.	W8EXR	Denver, CO	07-08-82	16,168	Bob Wood	N4ETR	Lexington, NC
	16,071	Morris J. Young	KN6M	Orinda, CA		16,169	John C. Black	W7HIL	Bellevue, WA
	16,072	Bob Banner	K6PQA	Cammarillo, CA		16,170	Cy Potgieter	ZS6M	Johannesburg, South Africa
	16,073	Jerry A. Chandler	K6PKO	Fresno, CA		16,171	Austin E. Sterling	KT5Q	Waco, TX
06-03-82	16,074	Andrew S. Washburn	K91KR	Bloomington, IL		16,172	Richard W. Trevino	W5EWS	Orange, TX
06-04-82	16,075	Hilliard F. Penfold	W6ODB	Mission Viejo, CA	07-13-82	16,173	J. Steve Hughes	W4DKC	Hermitage, TN
	16,076	John Holtrichter, Jr.	K6HYU	Palos Verdes Estates, CA		16,174	Charles F. Bespalec	N8BTS	Crete, NE
	16,077	Avery M. Finn	K8HLA	Chaska, MN		16,175	Jimmy Scott	W6MSN	Willits, CA
06-07-82	16,078	Robert W. Burnet	XE1FN	Guadalajara, MEX		16,176	Norman Jump	K8EJY	Dayton, OH
	16,079	David R. DeRain	K8ESQ	Walled Lake, MI		16,177	Floyd E. Lent	W3GXJ	South Hill, VA
	16,080	Paul W. Woods	W7ZKL	Salt Lake City, UT		16,178	David Cohen	W2QCW	N. Woodmere, NY
	16,081	Arnold W. Reed	W8JFA	Shell Knob, MO		16,179	Sheila Gabriel	G3HCQ	Ilford, England
	16,082	William H. Schnaars	W2DHI	Maywood, NJ		16,180	Tom Guthrie	K2QGT	El Cajon, CA
	16,083	Sam M. Troutman	W4NKK	Birmingham, AL		16,181	Robert L. Rooney	W2AET	Fulton, NY
	16,084	Samuel A. Selders	W8HJX	Greeley, CO		16,182	Mel C. Ellis	K7AOZ	Spokane, WA
	16,085	Clifford E. Hurst	N8CZ	Red Feather Lakes, CO		16,183	George M. Douglass	K4ZB	Fripp Island, SC
06-08-82	16,086	Otho E. Smith	K7ATD	Spanaway, WA	07-14-82	16,184	Taizo Arakawa	N2ATT	Lodi, NJ
	16,087	David B. Harris	KN6Y	Parlier, CA		16,185	Richard S. Rice	W5HMU	Baton Rouge, LA
	16,088	unassigned	K4KGT	Sweetwater, TN	07-16-82	16,186	J. Maynard Soileau	K5MOJ	Maurice, LA
	16,089	Robert A. Hanson	W9AIF	Western Springs, IL		16,187	Baker D. Springfield	W4HYV	Memphis, TN
	16,090	John A. Rooney	K3DBM	Forestville, MD		16,188	Ward Weiland	W7GEE	Seattle, WA
	16,091	Steve M. Fried	K2PTS	Hoffman Estates, IL		16,189	Shelly Weil	K2BS	Elmont, NY
	16,092	Lee S. Wentzel	W3VUF	Reading, PA	07-19-82	16,190	George Asaki	W3MPN	Pasadena, MD
	16,093	Marvin J. Foral	W3QGC	Doylestown, PA		16,191	John T. Pyle	K4BFB	Columbus, GA
06-10-82	16,094	Raymond E. Baldridge	N5DPA	Beaver, AR		16,192	Frank C. Carman	W7KFB	Otis, OR
06-11-82	16,095	Martha N. Brittain	W5YKE	Dallas, TX		16,193	John A. Linton, Jr.	W8DKI	Uniontown, OH
	16,096	John B. Curry	K5IMC	Duncanville, TX	07-20-82	16,194	Gene A. Nailon	K5DLE	Guthrie, OK
	16,097	Dick Reynolds	W3QMY	Erie, PA		16,195	Dave Horn	KK5I	Coweta, OK
	16,098	Mark N. Busch	W2GRD	North Brunswick, NJ		16,196	Stan Miller	W6THP	Long Beach, CA
						16,197	Mike Grimes	K5MLG	Sherman, TX



## WELCOME TO MEMBERS NEWLY ENROLLED IN QCWA

07-23-82	16,198	Frank H. Palmer	W4MJZ	Cocoa Beach, FL	16,297	Claire M. Swenson	WN7ZBD	Seattle, WA
	16,199	Joseph L. Laub	W6S0V	Upland, CA	16,298	Richard C. Rhodes	KH610	Dallas, TX
	16,200	Kurt Schulze	DL3WF	Leverkusen 1, Germany	16,299	Ralph T. Parsons	W4PXN	Fairfield, CA
07-27-82	16,201	Robert A. Cohen	K1CPJ	Tolland, CT	16,300	Ted Dimitre	K6VGW	Millbrae, AL
	16,202	Burtis E. Lawton	W2JLO	Lavallette, NJ	16,301	John Nalavany	W2GMV	Linden, NJ
	16,203	Steve Olster	K2MHN	W. Hurley, NY	16,302	Billie B. Myrick Jr	N5EKK	Ada, OK
	16,204	Arthur N. Ogden	N4HAN	Bedford, VA	16,303	Lee Cloar	K4CPB	Anderson, SC
	16,205	Donald K. Reichling	KB7VY	Yuma, AZ	16,304	Werner Lembcke	DL1ZC	D-2057 Wentorf, W-GER
	16,206	Robert J. Batten	KB8J	Oak Park, MI	16,305	Gerhard D. Merz	DL1BB	D-2240 Heide, W-GER
07-28-82	16,207	Harvey A. Pearson	W6JGL	Neptune Beach, FL	09-09-82	James K. Abney, Jr	K5JII	Dallas, TX
	16,208	Ronald J. Locke	W2YPX	Jacksonville, FL	16,307	Leonard H. Clark	W7LQY	Encampment, WY
	16,209	Kenneth M. Iucker	W0UIZ	Persia, IA	16,308	Frank Wolk	N5FW	Dallas, TX
	16,210	Leonard C. Strohm	W0GSH	Waterloo, IA	16,309	Lewis W. Kendrick	KA4NCU	Bessemer, AL
	16,211	Charlie Conner	K0NG	Lincoln, NE	05-12-82	Les W. Olson	W6CBI	Mountain View, CA
	16,212	Homer C. Frilisch	W6AYD	Tustin, CA	09-09-82	Wendle Earl Campbell	WASNIU	Austin, TX
07-29-82	16,213	J. T. Greene III	K4ILT	St George, SC	09-13-82	Fredric B. Faust	K5ZPN	Amarillo, TX
	16,214	Bryce N. Myers	K4LXF	Charleston Hgts, SC	16,313	Stuart W. Korkow	W2PUT	Tonawanda, NY
	16,215	J. Denis Catalano	W0KFR	Bailwin, MO	16,314	Jim Robb	W6OUL	Lompoc, CA
	16,216	Ira R. Bickham	K0HRR	Groveport, OH	16,315	Leslie H. Bole	VE2VP	Lachine, QUE
	16,217	Robert O. Hess	W8VIF	Wheeling, WV	16,316	Timothy J. Pettibone	W5SXL	Las Cruces, NM
08-02-82	16,218	Prentis G. Grambling Jr	K5LVZ	Ruston, LA	16,317	Leonard F. Marino	W3IOH	Munhall, PA
	16,219	Stephen T. Novak	W8KXG	Willoughby Hills, OH	16,318	W. Lee Groome	W4YVP	Chapel Hill, NC
	16,220	Louise McDonald	K2IMI	Indian Lake, NY	16,319	Arthur R. Ketcham	W8UEL	Toledo, OH
	16,221	Coy C. Day	N5OK	Owasso, OK	16,320	Walter Scharmen	W8VIZ	Lansing, MI
08-05-82	16,222	James P. Millar	VE3AGC	London, ONT	16,321	C. Ted Woodward	K4GWY	Greenville, SC
	16,223	Richard W. Pitner	W0FZO	Sioux City, IA				
	16,224	James M. Jones	W0NKN	Cedar Rapids, IA				
	16,225	George W. Henry, Jr	K9GWT	Champaign, IL				
08-10-82	16,226	Roger Perkins	W10J	Bolton, MA				
	16,227	Howard J. Johnson	W3IJC	North Fort Myers, FL				
	16,228	Gerald J. Olivier	W5NJJ	Madisonville, LA				
	16,229	Keith C. Flint	W7ZAC	Casper, WY				
	16,230	Harold Manning	W4NTB	Wilmington, NC				
	16,231	Raymond V. Davis	W5HBI	San Antonio, TX				
08-12-82	16,232	Ralph E. McIntyre	W8WOM	Akron, OH				
	16,233	Norman Titcomb	W1WRL	Ormond, FL				
08-13-82	16,234	William F. Johnson	K0ABK	St. Charles, MO				
08-16-82	16,235	Charles Larry McCollum	W5PTJ	Houston, TX				
	16,236	Wendle Earl Campbell Sr	K5GDH	Felton, CO				
	16,237	Robert G. DeVries	K0MDT	Steamboat Springs, CO				
	16,238	Dana W. Cole	W2PNV	Tonawanda, NY				
	16,239	Stuart Gregg III	NF4Z	Hilton Head Is., SC				
08-18-82	16,240	Chuck Bailey	VE3KA	Toronto, ONT				
	16,241	Helen J. Collins	W3ERE	Duncansville, PA				
	16,242	Robert O. Barton	K8EQO	Grand Rapids, MI				
	16,243	C. Reid Whipple	K9IWC	Wauwatosa, WI				
	16,244	Earl G. Schweizer	W6YJU	Cardiff, CA				
	16,245	George A. Harizal	K8HLJ	Vermilion, OH				
	16,246	Robert M. McCutchen	K4CQX	Huntsville, AL				
08-19-82	16,247	Larry Rickard	K6JYR	Upland, CA				
	16,248	William M. Gunderson	W5PSN	Amarillo, TX				
	16,249	Jerry Richardson	K5IKL	Amarillo, TX				
	16,250	James R. King	W5EIF	Pampa, TX				
	16,251	Harold Beckham	W5SLP	Pampa, TX				
	16,252	Charles R. Newman	N8CWS	Lucasville, OH				
	16,253	Clarence W. Powell	W5QJY	Wichita Falls, TX				
	16,254	Garlena B. Powell	W5QJZ	Wichita Falls, TX				
08-20-82	16,255	Edouard D. Cournoyer	W4UMO	Atlanta, GA				
	16,256	Ted L. Schempp	K4ONY	Miami, FL				
	16,257	Roger M. Jarvinen	W1VDE	Dinosaur, CO				
	16,258	Joel Lewis Satin	W3GOH	Potomac, MD				
	16,259	Fred Auchter	DF2IE	D-7500 Karlsruhe, W-GER				
08-23-82	16,260	W. W. "Dan" Dansby	W5URI	Ft Worth, TX				
	16,261	Clifford L. Humphrey	K8GWA	Bad Axe, MI				
	16,262	Marcel Siemons	K8VQV	Los Angeles, CA				
	16,263	Albert Helfrick	K2BLA	Boonton, NJ				
	16,264	Richard O. Lions	N7DHB	Belleuve, WA				
	16,265	Warren H. Herzog	N5CJQ	Bellaire, TX				
08-24-82	16,266	Robert R. Brown	N7DGZ	Anacortes, WA				
	16,267	John L. Arnold	WA6YSY	Sunnyvale, CA				
	16,268	John Straka	K2TEE	Bainbridge, NY				
08-26-82	16,269	Robert R. Hill	K5HMS	Tulsa, OK				
	16,270	David L. Thompson	K4JRB	Norcross, GA				
08-30-82	16,271	C. W. Gilbert	W5PVS	Austin, TX				
	16,272	John A. Wall	W2RPE	Edgewater, FL				
	16,273	John Landsberger III	K0LUX	Brandon, FL				
	16,274	Henry J. E. Pitre	VE1XF	Moncton, N.B.				
	16,275	Raymond J. Hickey	VE1SL	Moncton, N.B.				
	16,276	George A. Brewer	VE1SJ	Rothsay, N.B.				
	16,277	Edgar B. Getchell	VE1CL	St. Stephen, N.B.				
	16,278	F. Walter Hyndman	VE1BZ	Cornwall, P.E.I.				
	16,279	Dick Hurst	VE1SK	New Glasgow, N.S.				
	16,280	Murray W. Doull	VE1EE	Saint John, N.B.				
08-31-82	16,281	Carl Fry	K5KTX	Jourdanton, TX				
	16,282	John L. Boor	W7PJH	Seattle, WA				
	16,283	Eugene D. Wacławik	K3ASF	Cambridge Springs, PA				
	16,284	James T. Lee, Jr	K5KKV	White Bear Lake, MN				
09-01-82	16,285	Malcolm H. Shelton	W4PSS	Huntsville, AL				
	16,286	Carl E. Peters	W71BO	Kent, WA				
	16,287	Helmut Stuebing	DL8CT	D-8023 Pullach, W-GER				
	16,288	Anny Kraemer	DL3YF	D-6050 Offenbach, W-GER				
09-02-82	16,289	Leslie C. Miller, Jr	KA5OWG	San Antonio, TX				
	16,290	Bruce Woodall	VE3NO	Toronto, ONT				
	16,291	Earl C. Kirkeby	W0HNV	Drayton, ND				
09-03-82	16,292	Jack J. Smith	K6BJC	Llano, CA				
09-06-82	16,293	Bernhard E. Keiser	WD40	Vienna, VA				
	16,294	Frank J. Mayernik	W2ASIO	West Palm Beach, FL				
	16,295	Stanley B. Skawinski	K2Y10	Garfield, NJ				
	16,296	Ileana M. Schumacher	W7RHM	Federal Way, WA				

## QUA?

QUA? is a new service of QCWA NEWS, devoted to an interesting subject. Operation is under direction of QCWA Member Henry Hively, W3PTV. Rules are as follows:

For those readers who are ancestor hunting, the column will publish queries of genealogical nature. Inquiries should be submitted as follows:

1. One item to a page
2. Printed, or typed with surnames in CAPITAL LETTERS

No charge for QCWA Members. 10 cents a word, non-members.

Address all correspondence to:

Henry Hively, W3PTV  
4111 Tuxey Avenue  
Pittsburgh, PA 15227

Looking for information on Peter WERT (b. 2/5/1815 d. 4/15/1885) and anyone related to him. He married Mary Ann KALER 11/02/1854, in Bucyrus, Ohio. She was the third of four wives of his.

Raliegh L. Wert, W8QOI, 309 E. Gordonville Rd.,  
Route 12, Midland, MI 48640

Seeking male and female descendants of Peter and Jan Carson ALLEN, Washington County, VA 1785-1830 approximately. Son William, daughters Jane ALLEN PATTERSON, Nancy ALLEN DAVIS and Sarah ALLEN.

Spencer M. Allen K0REC, 6401 Azure Lane  
Cocoa Beach, Florida 32931

Seeking any information on Albert WOOLERY, born in Minnesota in 1887. He went to Kansas, Nebraska, Texas and nearby states in 1926 as a cattle dealer and butcher.

Warren M. Woolery, W0SFF, 1212 North Broadway  
Crookston, Minnesota 56716

Seeking descendants of the families of S. J. FISH and W. W. FISH, residing in PA or Ohio in 1864. Also the J. H. BAKER family in the same area & time.

Henry L. Hively, W3PTV, 4111 Tuxey Ave.  
Pittsburgh, Pennsylvania 15227

Wish to locate my cousin, Jack SCHACHLEITER (may have varied spelling) last reported in Fresno, CA. Has sister, Virginia. Parents Earl and Ann, now deceased.

Paul Morris, W7GT, 48 Puget Loop  
Port Ludlow, WA 98365



MID-SOUTH CHAPTER (113)

On June 24th our Chapter met at Shoney's on Poplar Ave. We registered 40 members & guests. A delightful program was presented by Paul Wilson, W4HHK and his lovely wife, "DB". Paul & DB took us on a cruise to Australia. Gene Alward, our VP, was host for the evening.

On August 8, our Secretary/Treasurer, Ole Olson, W4OMI, hosted a watermelon fest at the Oakhaven Methodist Church picnic area. 30 members and guests were there and a large number of melons were demolished. This is an annual event for Chapter 113, and is always held the day following the International Watermelon Festival at Water Valley, MS.

Chapter 113 is trying a new plan. We are having an informal meeting twice a month on the 2nd & 4th Wednesday at 11AM at the Mall of Memphis, directly above the ice skating rink. With a good choice of food available, the meeting is from 11AM to 1PM. You and the XYL can shop or go to a \$1 movie afterward! W4YEL really has Mid South on the move!

The Chapter voted to send \$50 to the QCWA Memorial Fund. A worthy cause and Chapter leadership is to be congratulated on this action.

Shown below are those at the Watermelon Fest, Aug 8, '82.



The December meeting & Christmas Party is set for Dec. 16 at the Sawmill Restaurant, 2135 Democrat Road. The complete meal will be \$15 per couple. New Officers will be installed at that time.

On the air meeting Fridays, 8PM local 04/64, NCS W4OMI...

- Ole, W4OMI -



QCWA lost one of its founding fathers, Member Number 14, when Mort Kahn, K4KR, passed away in April of 1982. He was in his early 70's and had run the entire scale of ham activity from spark to sideband. For years his faithful second "operator" was this handsome boxer; literally a radio hound.

Photo by Bob Hertzberg, K4JBI

ARIZONA CHAPTER (16)

From reports coming in, the Pot-Luck at Frt Tuthill was enjoyed by all, 10 members and families and guests made a sizeable group.

The Arizona Chapter has its annual business meeting set for October 23, 1982, at Tom Tate's Cafeteria, in Sun City, AZ. The Arizona Chapter news bulletin contained a great deal of information of assistance to all. Meetings on the air are held Sundays at 0730 hours, 3892 kHz. Try to check in.... The Chapter has been saddened to report the passing of two good members...Telfer Hogg, W7DJH and Raymond Webster, W7BXR. Both were dedicated hams and staunch supporters of QCWA. Telfer and Web will always occupy a special place in our memories and in our hearts.

- Lucky, K7NTG -

IT SEEMS LIKE WE'RE ALWAYS ASKING FOR SOMETHING...AND SO WE ARE. JUST A WORD ABOUT THE QCWA MEMORIAL FUND. WE'RE HOPING TO GET IT OVER THE TOP OF \$25,000 BY YEARS END. NOW, THIS IS NO LITTLE TASK. YOUR HELP CAN MAKE IT SO. WE NEED JUST ABOUT \$5000 AT THIS TIME TO DO THE JOB. ALL THAT WOULD BE NEEDED WOULD BE A BUCK FROM JUST HALF OF OUR MEMBERS. THAT ISN'T VERY MUCH LOOT, BUT WHAT A WHALE OF A LOT OF GOOD IT COULD DO -- FOR YOUNG PEOPLE -- AND FOR OUR SELF IMAGE. WON'T YOU SEE IF YOU CAN SPARE A BUCK OR TWO TO HELP PUSH US OVER THE TOP....

- Ed -

SPACEPORT CHAPTER (66)

Thirty-three members of Spaceport Chapter and guests met at the "Tavern On the Court" of the Cocoa Beach Quality Inn at 11:30AM, August 21. This inn was initially owned by the Seven Original Astronauts. Considering the large number of our members who are vacationing the attendance was very good. Charley, K4KCN, our regular secretary sent is regards via several postcards from upper New York; Worth, W4ZG, sent his greetings to the Chapter via Guy, W4HVU, operating in the "Colonel's Net" each morning at 1300 UTC on 7264.5; Walt, W4JXI, sent greeting via ham radio through W4HVU. Walt was operating mobile with a 7' whip on his car in Yellowstone Park. We were pleased to have John Weber, K4JW, our Melbourne neighbor, join the Spaceport gang. The outstanding event was presentation of a beautiful plaque to our President, Don, N4IN, for placing first in the CW portion of the 1982 QCWA QSO PARTY! Presentation was made by National QCWA Activities Manager, Jack Seidel, N4AQU, who drove clear across Florida, with his wife Sharon, to make the Award.

On September 11, the Chapter met at the Ramada Inn, in connection with the Melbourne Yearly Hamfest. A QCWA Hospitality table was the gathering place for QCWA'ers after they had bought their goodies (junk to their XYL's). About a dozen old-timers picked up application forms and indicated their desire to join our illustrious ranks. The Luncheon food was good and bounteous. The two-for-one libations livened up the 39 members and guests. Spaceport Chapter gained two more members -- Bill Ford, W2RQC and Bart Yager, W4FC. We were happy to welcome both -- we were especially glad to see Bart since he had been reported as a silent key. Bart said, to use Mark Twain's expression, "The report of my demise has been highly exaggerated." Had we known that Creed, W4TZ, from Treasure Coast Chapter was to celebrate his 85th birthday 3 days later, we surely would have toasted him at the luncheon. I hope we can look as young as he when we hit that milestone!

- Guy, W4HVU, in the absence of K4KCN -



NEBRASKA CHAPTER (25)

With all the travelling Virginia and I have been doing, it has been a busy summer and early Fall. Attending the ARRL Convention at Cedar Rapids in July prevented our attendance at the Victoria Springs meeting. At the Cedar Rapids QCWA Breakfast more than 60 hams attended, including Jean Wolff, LX1JW, and Shaw Shalkhauser, W9CI and Leo Meyerson, WØGFQ - our National QCWA Director.

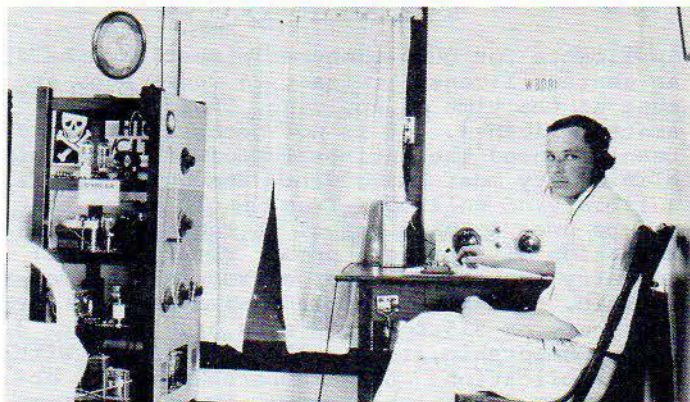
At Victoria Springs the same weekend, Bob Rudd, WØEUT, reported attendance of 23 at the Sunday morning meeting kicking off the final drive for the SILENT KEY MEMORIAL FUND with Fried, WØYMU initiating (second by Moore, WØGEQ) a motion to combine contributions for the fund with those of our treasury. Ed Lawler, WØTHA, led the drive to touchdown ... Our check, given to Leo for Presentation at the National QCWA meeting was a wonderful example of aid to our young people for years to come.

Monthly luncheons sponsored by the Omaha metropolitan group are continuing to be the highlight of the Fourth Thursday of each month at Club 89, in Omaha. The Annual Dinner Meeting of the Chapter is scheduled for Saturday, November 6, at Holiday Inn/Interstate, in Grand Island. It is expected that all will enjoy the dinner banquet and evening of social activity. Leo, WØGFQ and Helen are planning to attend and it comes on good authority that a piano and sing along are in the picture.

It is noted that a number of Nebraskans join QCWA and after receiving their certificate of Membership, assume they are automatically a member of Nebraska Chapter. Unfortunately this is not so, but for our friends in this status, we invite you to attend our Annual Dinner-Banquet in Grand Island on November 6. We now have over 100 members in our Nebraska Chapter 25, including a few from contiguous states of Iowa, Kansas, Colorado and South Dakota. Some members have relocated to Florida, Wisconsin and Texas....and now our genial Vice President, John McKinney, WØAP, is thinking of changing his QTH to Idaho.

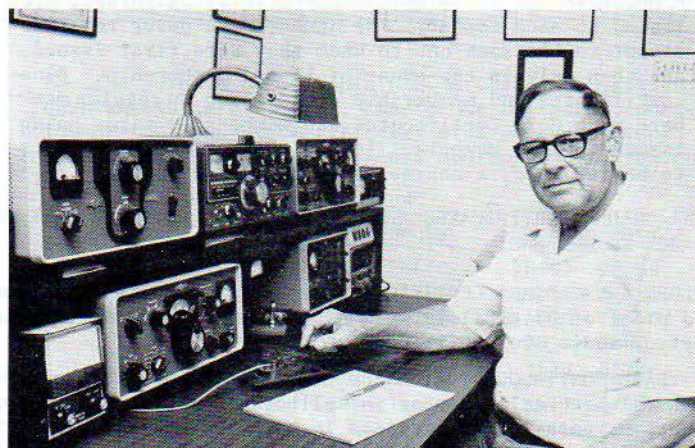
The new Roster of Chapter members should be in the hands of all concerned as a result of efforts of Charlie Rodgers, WØQQN, who manages the Zero District QSL Bureau. His YF, Alma, the spark-plug of the Bureau, is recovering at home from major surgery, however, it is anticipated and hoped that they too will be in Grand Island in November.

- Bob, WØUQJ -

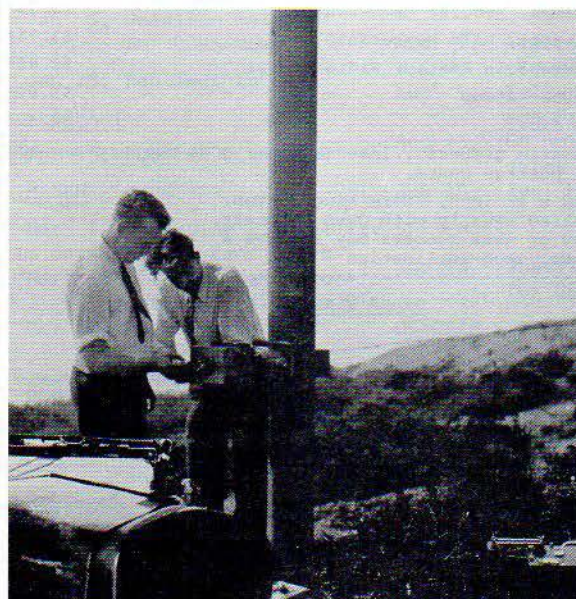


Above, Harold Mahlke, W8DOI, at his station in 1933. The transmitter was a 57 tri-tet, 47 buffer/doubler, 2A3 buffer and a pair of 210s for finals. The receiver was a '58 in a regen detector and a 56 audio....power was 180 watts in!

Below...same man in July of 1982. Only the Signal Electric handkey is the same. Harold is a QCWA Member and a Charter Member of Mid-Michigan Chapter.



- Marion, W8VWY -



In 1929, Germany invited Sir Hubert Wilkins, the noted Australian polar explorer of the '20s and '30s, to ride along on the proposed around-the-world flight of the German airship "Graf Zeppelin". The "Graf" was a rigid dirigible, 800 feet long and 100 feet in diameter, that carried its passengers in ocean-liner-like luxury.

Wilkins, a careful planner, wanted his own independent powered and highly portable emergency transmitter to take along in case of a crash in some isolated area, such as Siberia. He placed an order for the transmitter with Heintz & Kaufman and the late Ralph Heintz, W6RH, assigned the job to Bill Eitel, W6UF, and Hank Brown, W6HB. The photo, at left, by David Atkins, W6VX, shows the "proof-of-performance" test as seen over the hood of a VX Ford; Bill, at right, laboring mightily at the generator's crank while Hank, at left, pounds the brass.

The rig was a UX-210 in a self-excited TPTG oscillator circuit in a metal box mounted upon and powered by a 400 cycle hand-cranked generator (one of the early uses, by the way, of 400 cycle AC in aircraft). The unit was designed to be clamped to a tree or post to prevent its flopping around while being cranked. Transmitter output included the 40-meter band and, during the test, hams were worked in daylight up and down the Pacific coast from the San Francisco peninsula.

The flight was a successful trip around the world and, as far as is known, the equipment was never used. Bill, David and Hank are still active on the air.

Biographical background of W6UF includes the first transcontinental QSO on 10 meters. Both Bill and Hank became WAC members in 1927, and both were very much a part of the West Coast end of the first EME contact: W1BU - W6HB, 1296 MHz, in 1960. Bill, of course, was a co-founder and President of Eimac. Hank claims the original concept of VLBI (Very Long Base Line Interferometry, as used in radio astronomy).

- Editor -



## QCWA MEMBERSHIP

Applicants for QCWA membership must have held an amateur license at least 25 years ago, and must at the time of applying, hold a valid amateur license. It is not necessary to have been licensed the entire 25 years. Proof of eligibility must be given. Headquarters has a library of callbooks from the old times that can be used in many cases. A request for information will bring a prompt return letter! An entry fee of \$3 is charged for initial membership, this plus dues in the amount of \$9 for one year, or \$15 for two years or, \$19 for 3 years membership, is payable in advance with ones application. Life membership may be obtained for \$75, plus the \$3 entry fee. Time payment of life membership fees is available; three payments to be completed in one year, of \$25 each. Upon completion of payment Life Membership Certificate and membership card is sent.

## CERTIFICATES

MEMBERSHIP CERTIFICATES, numbered in serial order, are issued to each member. The numbers are never reissued except to the same one to whom they were first issued, and then only in the event of lapsed membership. Blue certificates and membership cards going to regular members with Gold Certificates and membership cards being issued to Life Members. In the event a Certificate is to be replaced, a charge of \$2.00 is made.

QCWA GOLDEN CERTIFICATES LISTED BELOW ARE OFFERED FREE OF CHARGE TO MEMBERS!

GOLDEN ANNIVERSARY CERTIFICATES are issued upon application and proof of eligibility. Those having 50 or more years in amateur radio are qualified

50 YEARS CONTINUOUSLY LICENSED CERTIFICATE is issued to QCWA members whose calls appear in callbooks for at least 50 consecutive years. (if licensed in both 1941 & 1946, the war years are counted as licensend years). The certificate must be applied for, with proof of eligibility furnished.

55th ANNIVERSARY GOLDEN CERTIFICATE is issued to those QCWA members who have completed 55 years as a licensed amateur. Proof of such licensing must be supplied together with an application for the Certificate

60th ANNIVERSARY GOLDEN CERTIFICATE is issued to those QCWA members who have completed 60 years as a licensed amateur. Proof of such licensing must be supplied together with an application for the certificate.

65th ANNIVERSARY GOLDEN CERTIFICATE is issued to those QCWA members who have completed 65 years as a licensed amateur. Proof of such licensing must be supplied together with an application for the certificate.

70th ANNIVERSARY GOLDEN CERTIFICATE is issued to those QCWA members who have completed 60 years as a licensed amateur. Proof of such licensing must be supplied together with an application for the certificate.

QCWA CENTURY CLUB CERTIFICATE is issued to those members of QCWA meeting the following requirements: Eligibility based on a members age plus his years in QCWA (in good standing), being equal to 100 or more. Proof of eligibility must be provided by the applicant. Upon satisfactory proof, HQ will attest to eligibility and issue the membership grade..

All of the Certificates are issued by Headquarters. Application blanks are available from Chapter Secretaries and from HQ. The forms must be used when you apply for any of the Awards. There is no charge for any of the above Certificates. Remember, your application must be accompanied by proof. Details are on the application form. If you are uncertain, write HQ before making application.on.

## OPERATING AWARD CERTIFICATES

QCWA OPERATING AWARD CERTIFICATES ARE ISSUED TO QCWA MEMBERS BY THE OPERATING ACTIVITIES MANAGER. JACK SEIDEL, N4AQU. PROOF OF ELIGIBILITY IS REQUIRED.

QCWA WORKED 50 STATES CERTIFICATES are issued to QCWA members who have contacted members in each state of the Union. Applications must be accompanied by proof.

QCWA WORKED 100 MEMBER CERTIFICATES are issued to QCWA members upon proof of eligibility.

QCWA WORKED 60 CHAPTER CERTIFICATES are issued to QCWA members upon proof of eligibility.

QCWA WORKED 500 MEMBER CERTIFICATES are issued to QCWA members upon proof of eligibility.

QCWA ANNUAL QSO PARTY. A plaque is issued on behalf of QCWA to the high scorer in the PARTY. The plaque is inscribed with the winner name and year of competition.

ALL CERTIFICATES ARE NUMBERED SERIALLY, WITH A PERMANENT RECORD KEPT OF THOSE ISSUED.

## EXPLANATIONS

Every possible means is used to validate claims of members for the Awards. It is always desirable for a member to contact headquarters offering evidence to support his claim before making formal application... This will allow us to help, and to avoid disappointment in the event that eligibility is not established.

THE QCWA MEMORIAL FUND IS GROWING NICELY THANKS TO THE GIFTS YOU HAVE MADE. KEEP THEM COMING. THE FUND IS A PERPETUAL MEMORIAL TO OUR SILENT KEY MEMBERS.



he following supplies may be purchased by QCWA Members:

QCWA Lapel Pin, Gold plated, with call engraved (Clutch pin, pin clasp, or screw button types)	\$7.00*
QCWA Lapel Pin, 50 Year, clutch type only	\$7.00*
QCWA Lapel Pin, 55 Year, clutch type only	\$7.00*
QCWA Lapel Pin, 60 Year, clutch type only	\$7.00*
QCWA Lapel Pin, 65 Year, clutch type only	\$7.00*
QCWA Lapel Pin, 70 Year, clutch type only	\$7.00*
Blazer Emblem 3 x 4 inch, embroidered	\$3.50*
450 Red QCWA Stamps, Regular Membership	\$2.75*
450 Gold QCWA Stamps, Life Membership	\$3.75*
240 Yellow, 50 Years in Amateur Radio Stamps	\$2.00*
QCWA Logo on rubber stamp	\$5.00*
QCWA Automobile decal	\$0.50*
*Prices for domestic members...International QCWA members to add \$0.50 for added postage costs.	
QCWA BANNERS, 30 x 48 inch, Storm King Cotton, \$100.00 cost shared equally with QCWA Chapters. Chapters with 50 or more members may receive a banner at no cost, upon application	\$100.00

## ORDER BLANK

QCWA Headquarters  
1409 Cooper Drive  
Irving, TX 75061

Date \_\_\_\_\_

Please send the following QCWA Supplies:

\_\_\_\_\_ \$ \_\_\_\_\_  
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Send to: \_\_\_\_\_ Name \_\_\_\_\_ Call \_\_\_\_\_ QCWA No. \_\_\_\_\_  
 Address \_\_\_\_\_ Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Note that supplies cannot be issued to ineligible members...50-Year pins can only be issued to members who have been awarded a Tolden Certificate, etc.



# HOUSTON CHAPTER (27)

Houston Chapter reports that Becky Glueck, xYL of W5GHK, was scheduled to present a program to the Chapter on "Low Maintenance Gardening in Houston." And, in the future, Dale Martin, of the Johnson Space Center in Houston, W5RRR, has announced that SSTV coverage and pictures of the space shuttle Columbia's STS-5 mission in early November, will be provided by SSTV, using equipment furnished by WA7WOD.

The Chapter was saddened to report the passing of Ernest F. Shawver, W5QV, a member of the Chapter for a long time. He will be missed a great deal.

- excerpted -



Pictured above, L-R, new Officers for Citrus Chapter are: John Glauber, W4OB, Chairman; Bob Sutter, W3SOB, Secretary; George Jeck, W2IOE, Vice Chairman; George Mitchell, W6GHX, Treasurer.

# CANTON, OHIO CHAPTER (21)

Canton Chapter has issued a fine new Roster of Members. 68 members are in the Roster as active. Included is a list of all Chapter Silent Keys! This is a fine piece of work.

The May meeting saw a total of 67 in attendance, all snow birds had come home! Among visitors were Bob & Virginia Jones, KH60...they have been away for more than 40 years, but are not strangers to many local hams. Bob is teaching at the Hawaii College. Other guests were Charlie Rex, K8MZS & Shirley Rex, K8MZT. John & Lois Kuehnemund KA8DMN were guests of Don Shirer, W8QBF. Don Love, K8BXT was also present.

Congratulations to Lyle Gray, W8EUK, who received his Golden Award.

New members in the Chapter are given a warm welcome - Lee Morrow, W8FWB, and his wife Mary, W8ERJ; Dubb H. Evans, K8HWO, retired from Nationwide Insurance.

Let husband and wife infinitely avoid a curious distinction of mine and thine for this hath caused all the laws, and all the suits, and all the wars in the world.

- Jeremy Taylor -

# QCWADS

QCWADS ARE SPECIAL, LOW COST ADS ACCEPTED FOR PUBLICATION IN QCWA NEWS SUBJECT TO THE FOLLOWING RULES.

No special layouts, all copy is re-typed by Headquarters. Time permitting, proof copies will be mailed before publication. One column inch refers to original copy, which will reduce to three quarters of an inch in the NEWS.

## RATES

Column Inches	1 Time	3 Times
1	\$3.00	\$7.50
2	\$5.00	\$12.50
3	\$7.00	\$17.50

QSL CARDS Top Quality, Coated, White card stock, Custom designs --you have an unlimited choice. QCWA logo available. Many ink colors. Send #10, 37¢ SASE for samples, price list and catalog. Write to:

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CRYSTALS FT-243 type customized to your frequency (3 to 9 MHz), p/m 0.5 kc. SASE to:

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3.5 x 19.5 inch 1983 Amateur Radio wall calendars for sale at \$3.50 each, including USA postage. Ample space in date blocks to note events. Mailed in individual wrappers. Send completed mailing label for each calendar ordered; if it is a gift, show on label that you sent it. Order from:

LERC AMATEUR RADIO CLUB  
2814 Empire Avenue  
Burbank, CA 91504

## ON THE QCWA FUNTEST

As sometimes happens, we get so darn busy with details of this and that that we simply do not have time to work out all of the problems that were published in the previous News. We did publish answers for the SUMMER FUNTEST on page 77. In order that we don't do this again, we have asked for help. Harry Neben, W9QB, has consented to ride herd on the FUNTEST FOR US for a while to see if he can keep us straightened out. We will have some problems for you in this issue published on Page 89. When you have tackled them and worked them, write your solutions to Harry, at:

Harry Neben, W9QB  
1151 Fairway Drive  
Dunedin, FL 33528

If you wish a direct reply please include a SASE to help him conserve time. He will prepare the material, answers and methods of obtaining them, for publication in QCWA NEWS. He asks that if you have a good problem, let him know and he will include it in an upcoming issue of the NEWS.

CUSTOMIZED QSLs by W6BA \$17.50 for 1000! No standard forms... We try to print whatever you want. Black in on color 110 pound stock. Write for samples of cards we have printed:

Bill Adams, W6BA  
Star Route 2, Box 241  
29 Palms, CA 92277

SAROC Annual Prestige Convention, Aladdin Hotel, Las Vegas, NV, on January 13,14,15,16, 1983. Technical sessions, exhibits open on Friday & Saturday. Advance Registration \$17.00 per person includes admission to meetings, to exhibits, SWAP TABLES, ladies to ladies program, Genie Buffett on Saturday and Sunday. Aladdin Hotel room rate \$37.00 plus room tax, single or double occupancy, per night. Call 1-800-634-3424, for SAROC room reservations. QSL to SAROC, POB 945, Boulder City, NV 89005-0945, with SAROC registration.



In the picture above, Bill, K8UZ, is shown receiving his 65-Year Golden Certificate from QCWA President Meyer, at the Dayton/Cincinnati Chapter meet.

Bill is the strong mobile signal from Ohio that clears out the frequency for W6FQ every Sunday afternoon. Congratulations to you Bill. That 70-Year is waiting!



# QCWA NEWS

QCWA, Inc.

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IRVING, TX 75061



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Volume 31, No 3, FALL, 1982

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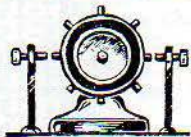
## QCWA INTERNATIONAL ON THE AIR MEETINGS

Sundays, 2000 UTC  
14346 kHz

Net Control, W6FQ

WEDNESDAYS, 8:00 PM ET  
7035 kHz

Net Controls, W2JBL/W9CV



## BARRY GOLDWATER K7UGA

IN UNANIMOUS DECISION, QCWA BOARD MEMBERS ELECTED BARRY GOLDWATER, K7UGA, TO THE HALL OF FAME, IN RECOGNITION OF HIS LIFE-LONG CONTRIBUTIONS TO ADVANCEMENT OF THE ART OF COMMUNICATIONS